

1964

1964 Modulus

Rose-Hulman Institute of Technology

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64 | MODULUS

1964

MODULUS



Volume LXXIII:

William B. Allard
Editor-in-Chief
Jack D. Cox
Associate Editor
Peter B. Canalia
Business Manager
Evan H. Johnson
Managing Editor
Gordon K. Haist
Faculty Advisor



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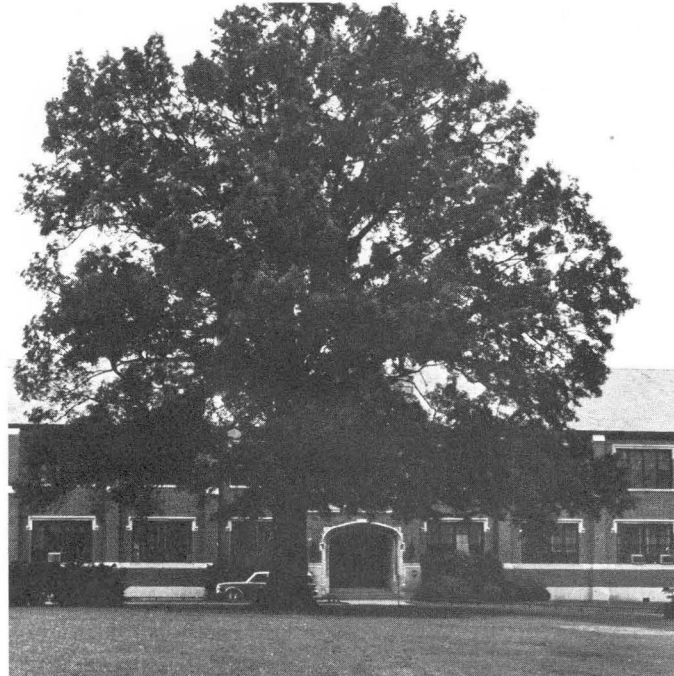
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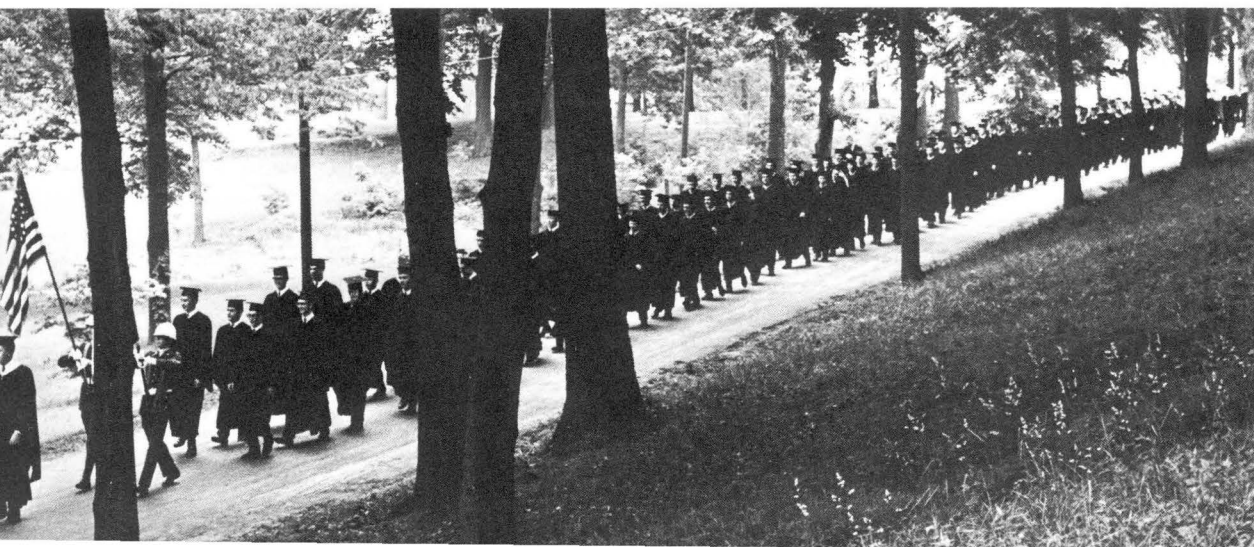
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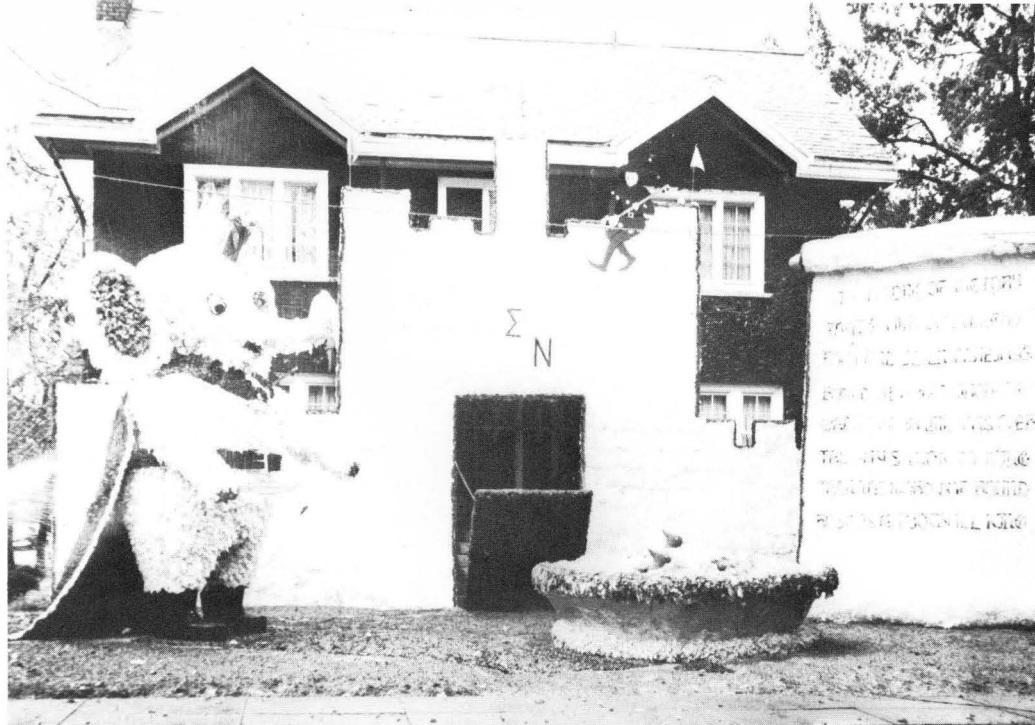


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The Rose Board of Managers in a meeting.

Board of Managers

Since the founding of Rose in 1874, the chief governing body of the Institute has been the Board of Managers. They review and approve or modify administrative policy, maintain the financial stability of the Institute, and help to project future plans for Rose. They have individually involved themselves in Rose expansion plans and devote much effort to the Institute's interests. The twenty-man board is organized into several working committees: Academic, Business and Finance, Development, Executive, and Honorary Degrees. Dr. Richard F. Bergmann is chairman and presides at three annual meetings in October, February and June.





Graduation—1964



The dignitaries.

"Congratulations, Lt. Wagner."



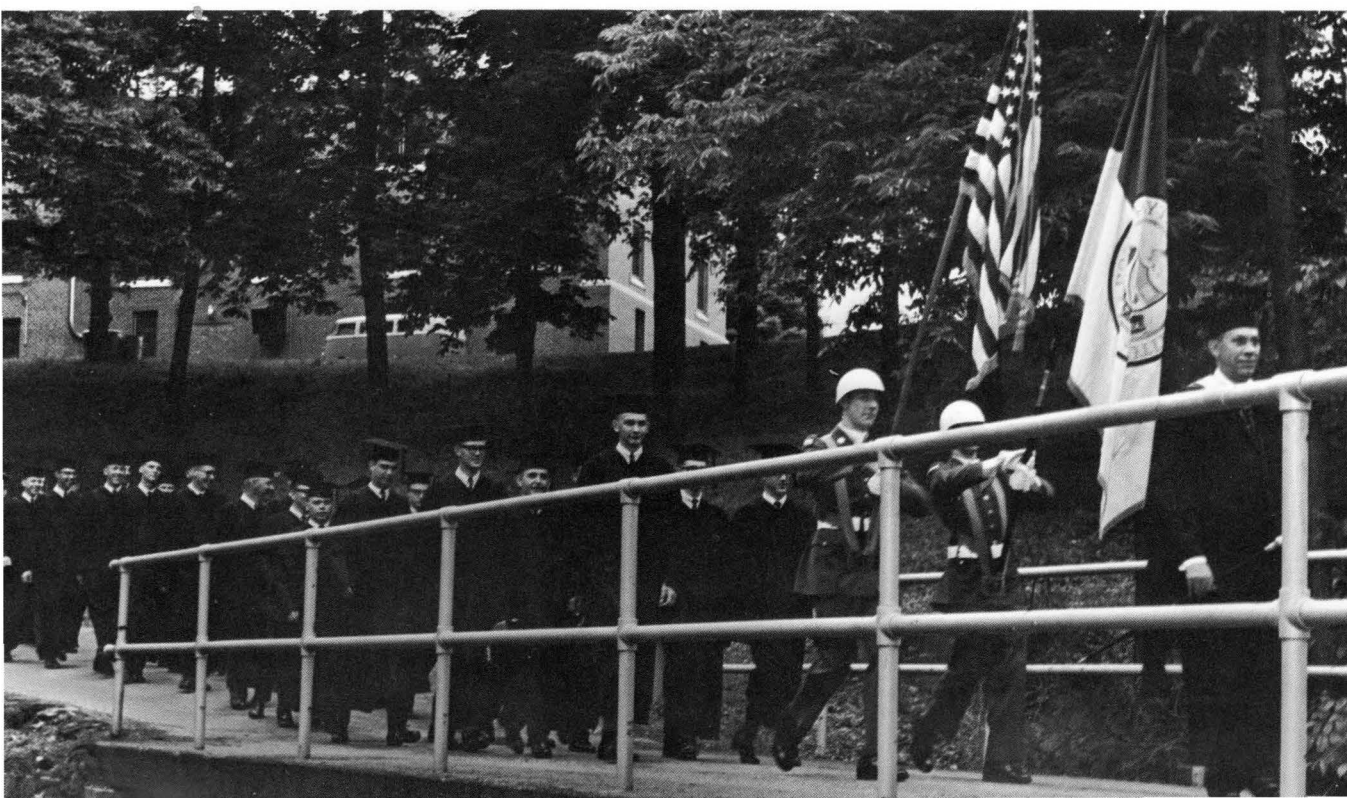


Mr. Paul Robbins addresses the Class of '64.

Colonel Daugherty prepares to commission the new Army officers.



The march to the end of four, both long and short, years.





Bob McCoige receives his diploma with enthusiasm,

Commencement exercises for eighty-three graduating seniors took place on June 6 in the Rose Fieldhouse. Paul Robbins, Executive Director of the National Society of Professional Engineers, delivered the commencement address, and received the honorary Doctor of Engineering degree.

Three other honorary degrees were conferred on men outstanding in their field. Two Rose graduates, Charles C. Sharpenburg of the class of 1907 from Bakersfield, California, and Everett E. Black of the class of 1911 from Honolulu, Hawaii, also received the honorary Doctor of Engineering degree. Dr. Henry Pollak, Director of Mathematics and Mechanics Research Center for Bell Telephone Laboratories at Murray Hill, New Jersey received the Doctor of Science degree.

Although seniors traditionally have no finals, their week before graduation was a busy one. Many of them were getting to go to work, some of them were planning their weddings, while others were probably trying to figure a way to get out of them. But whatever they were doing they looked forward to graduation day with great anticipation.

As the eighty-three seniors marched down the aisle, they left behind many memories. Memories that were sometimes good, sometimes bad, sometimes depressing but yet every one of them knew that it was well worth it. We, who are left here at Rose, hope to see all these seniors back at Homecoming so they can recall their memories with us.

and with a mighty fling, a Senior ends his career at Rose.

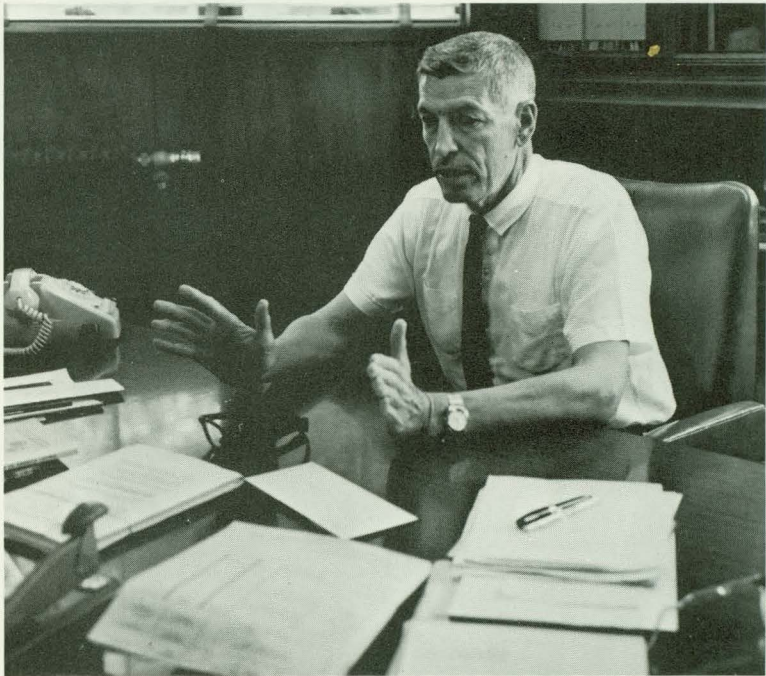
a happy mother records her feelings,





Dr. John A. Logan

President

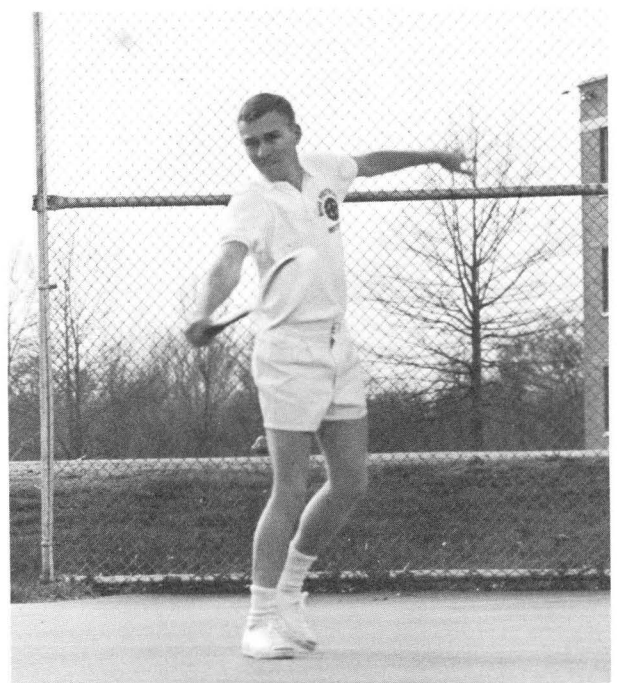
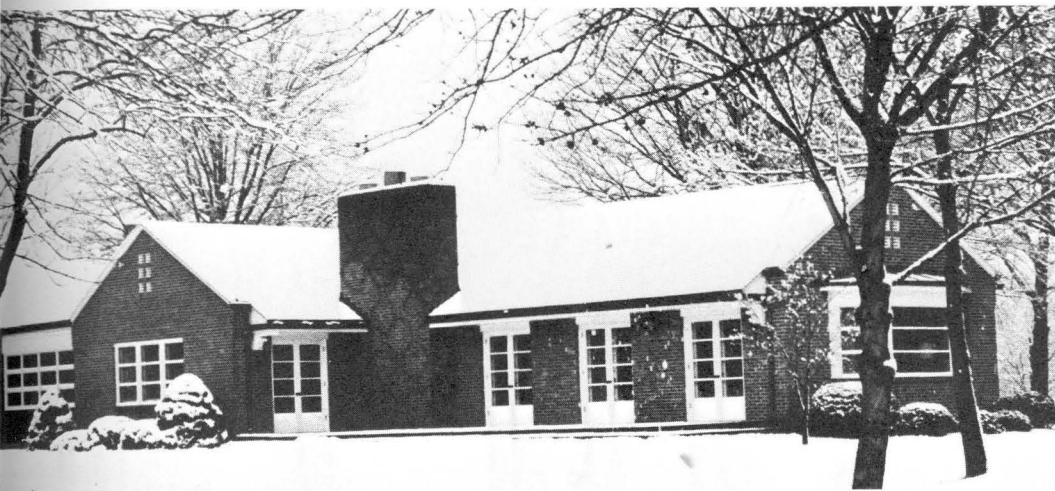




Rose—1964

The life of a student is not characterized by formal individual portraits or by coat and tie group shots of various clubs and organizations. Rather the Rose man's school life is composed of his daily actions in the classroom, in the House, at the dorms, and anywhere else he should appear.

Such a 'moment by moment' life is not easily captured for portrayal and display, but we are able to freeze a few isolated moments throughout the year. And so we will travel from the beginning minutes of hazing and homecoming, through the excitement of Rush and the icy cold of winter, into quiet idyls of spring fever, ending finally with the solemn moment of Graduation—1964.

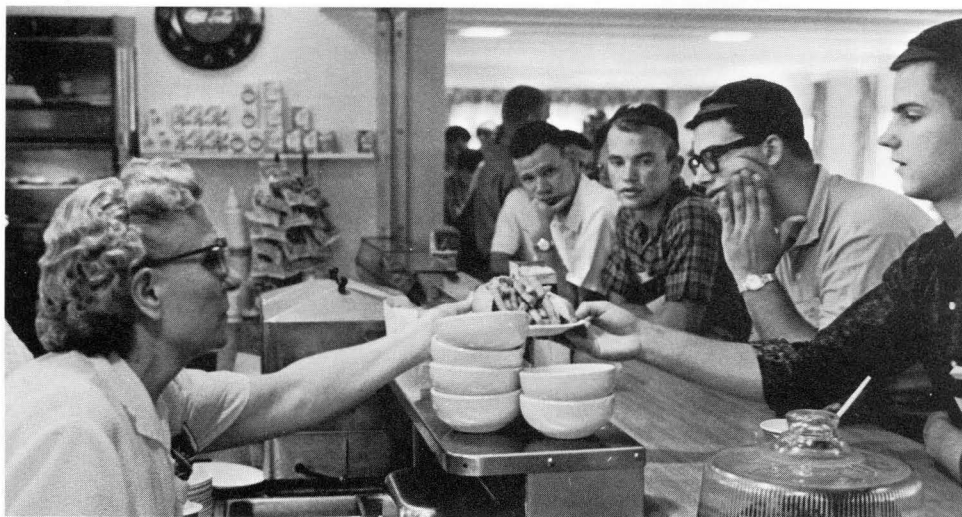




Fall.

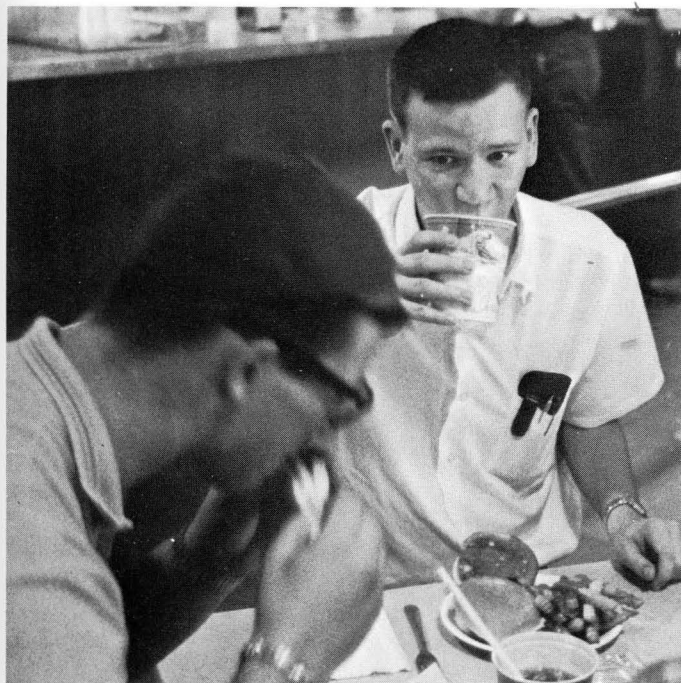
"Someone's bound to stop sometime."



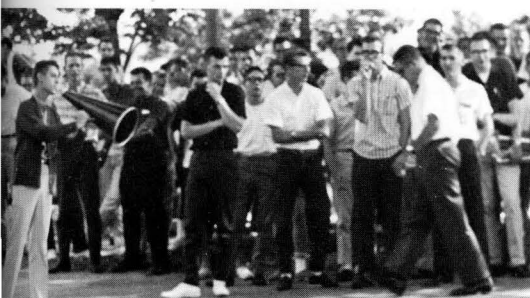
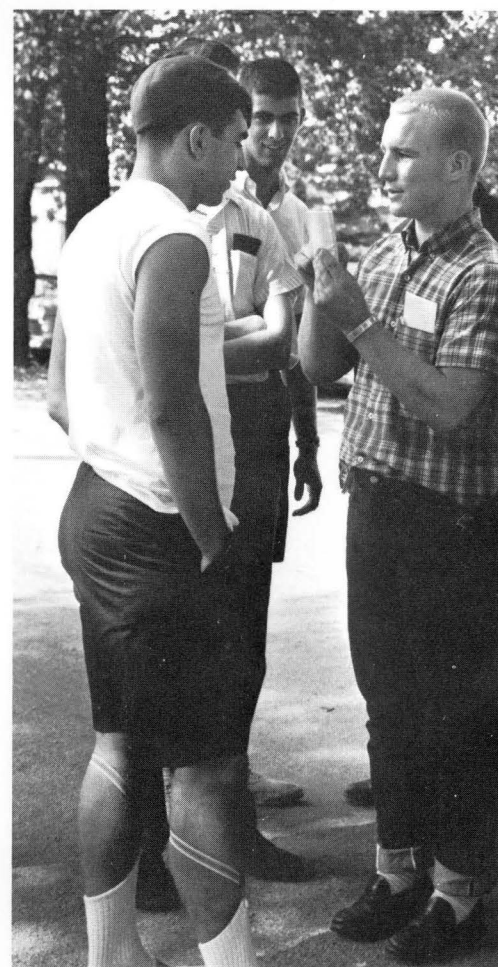


The big decision.

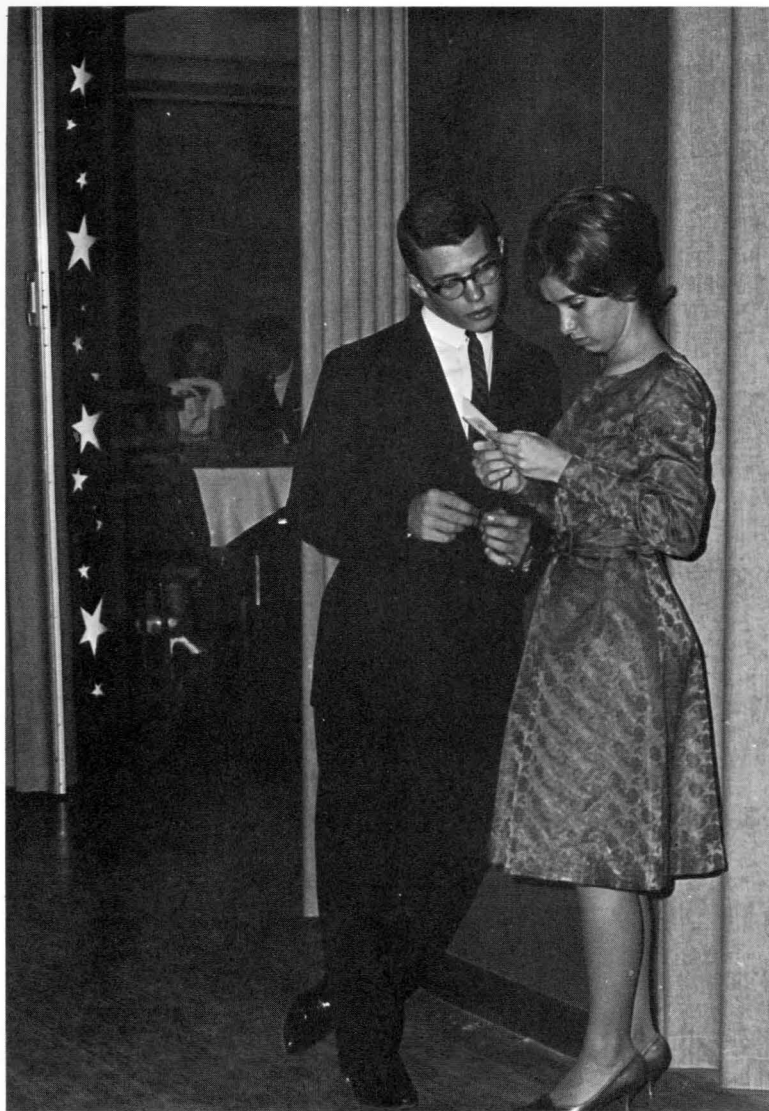
The big solution.



"Three beers ... "



Let's give 'em a sendoff!



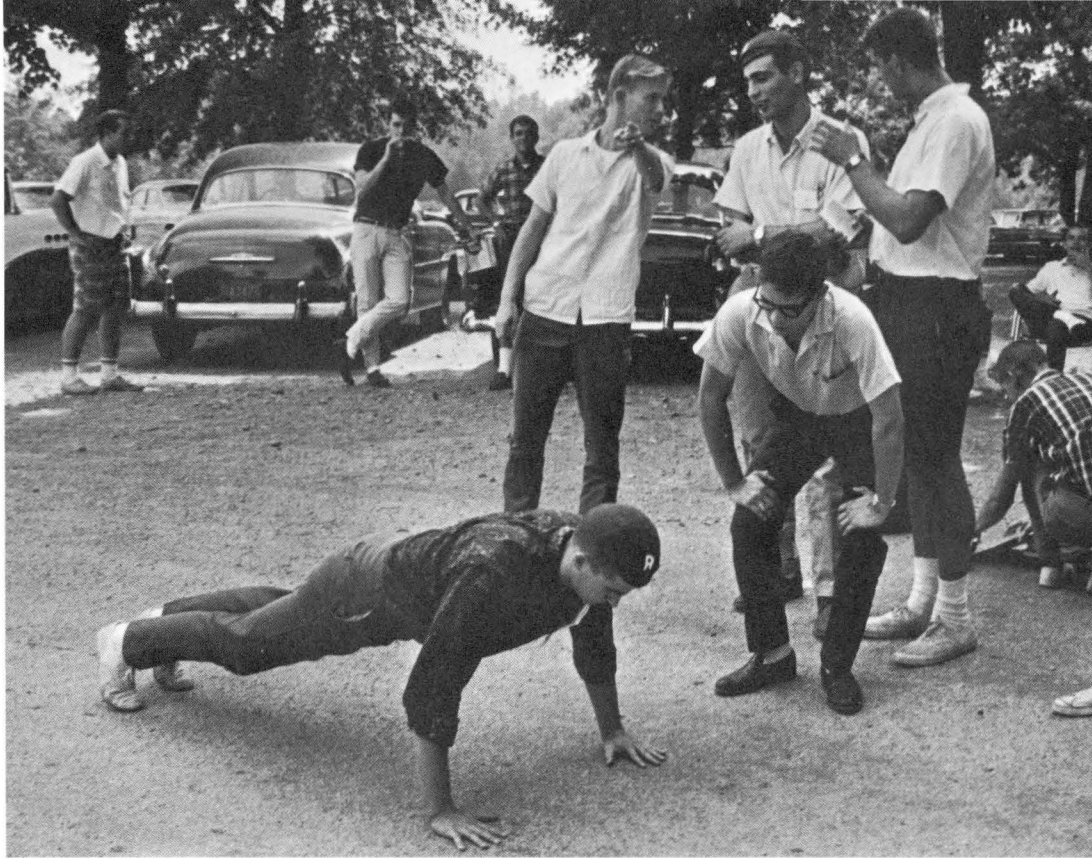
(Photo by Carter)

The maintenance crew helps build the bonfire.



A familiar face around campus.





"Thank you, Mister Evans."



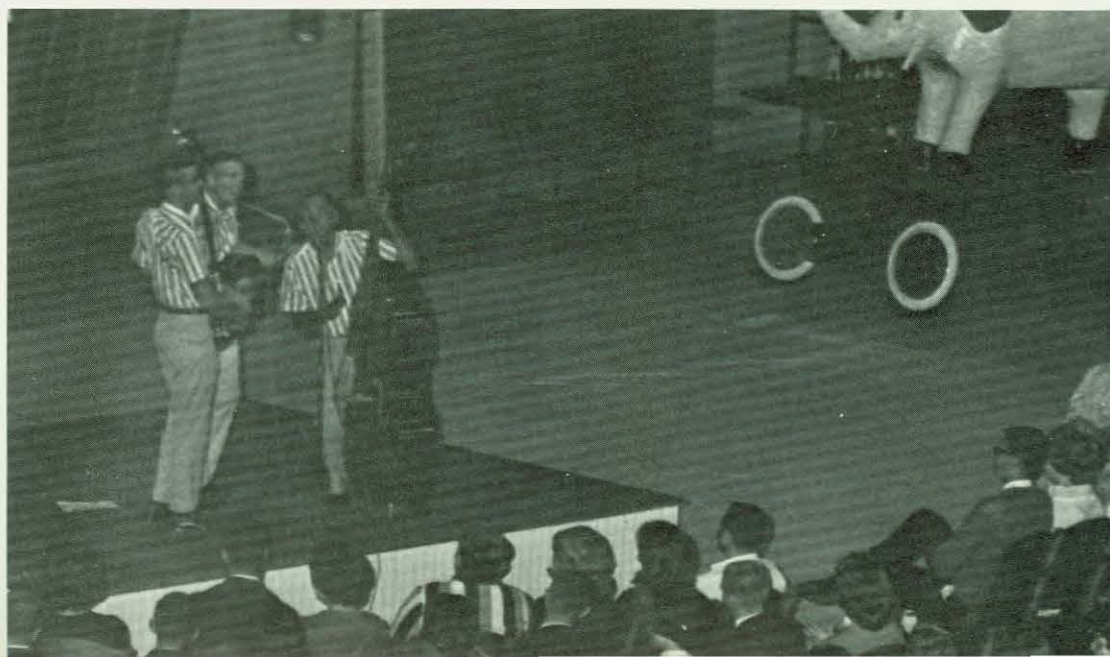
The big toot.



What do you need, Frosh?



The Drivers singl



Left flank, MAHCH?

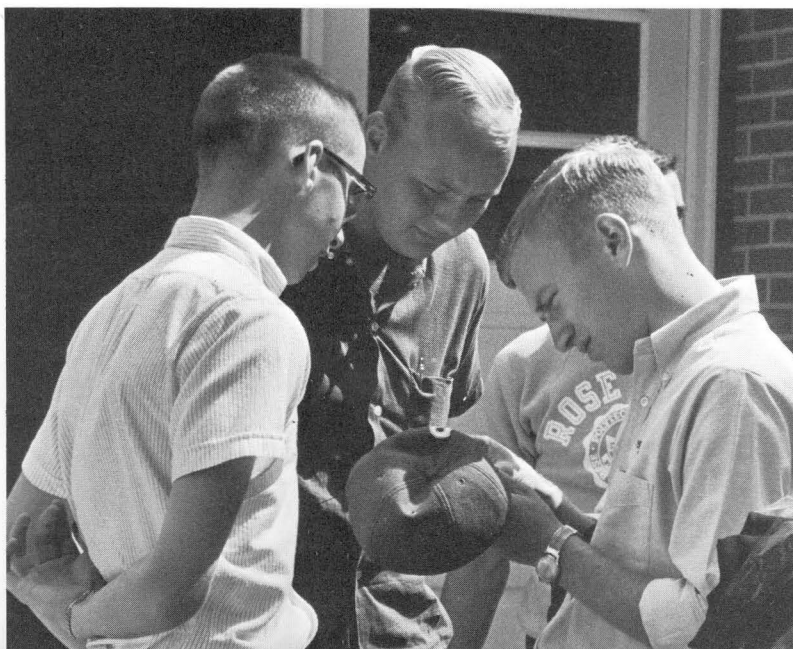


Up the stairs at Homecoming.



Bill Allard is tapped for Blue Key.

Ha- It's only .749 inches high.





Oh, Mr. Cerf!



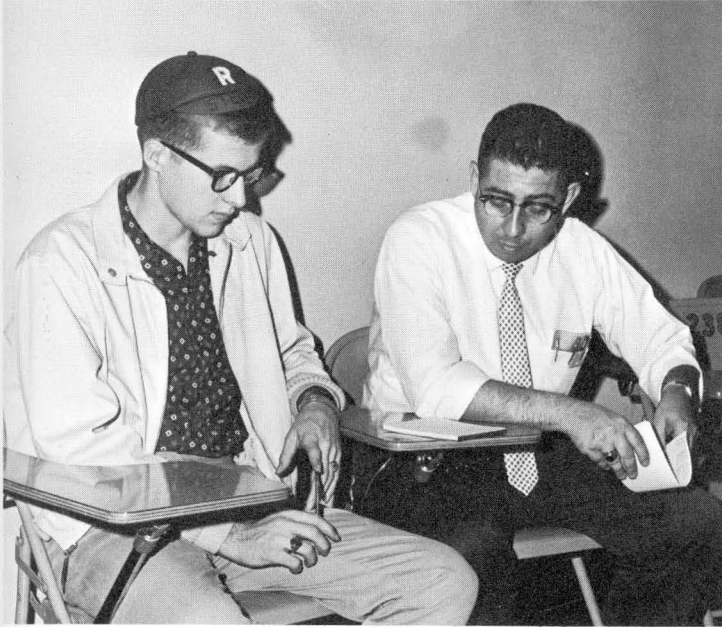
Those stairs get higher every year.



The beginning

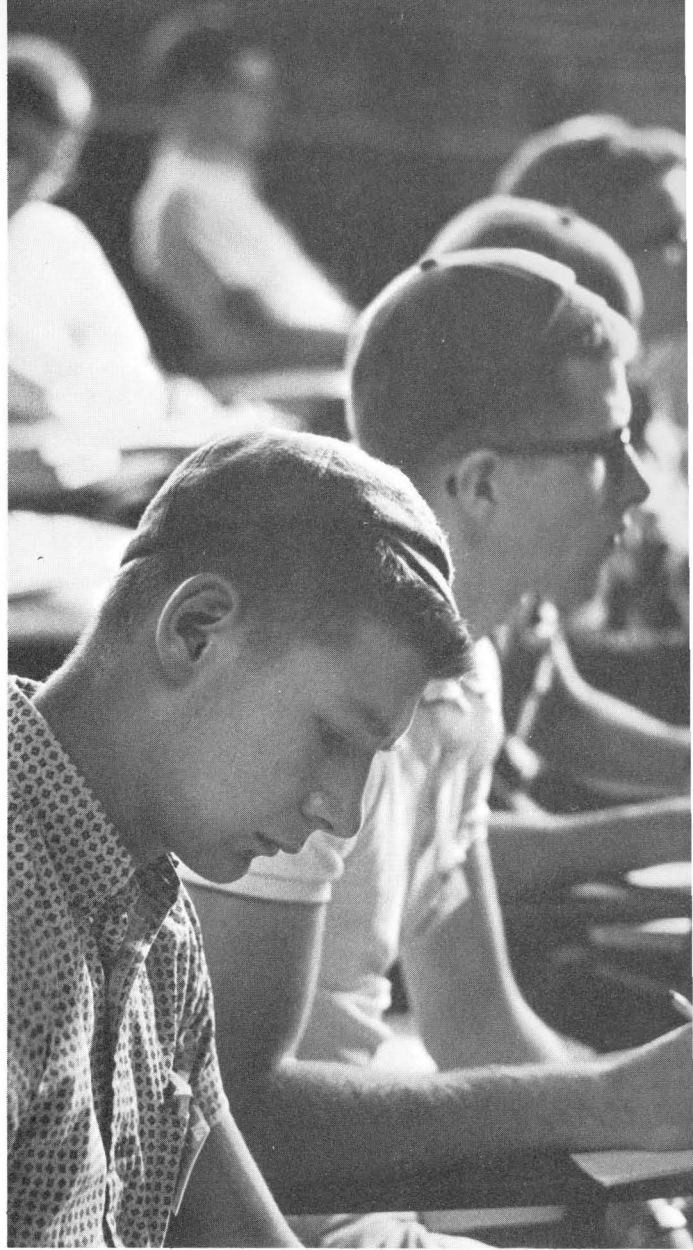
and end of the academic convo.





"Well, it's like this ...

Mrs. Butts (BB) at the Rose Riots.



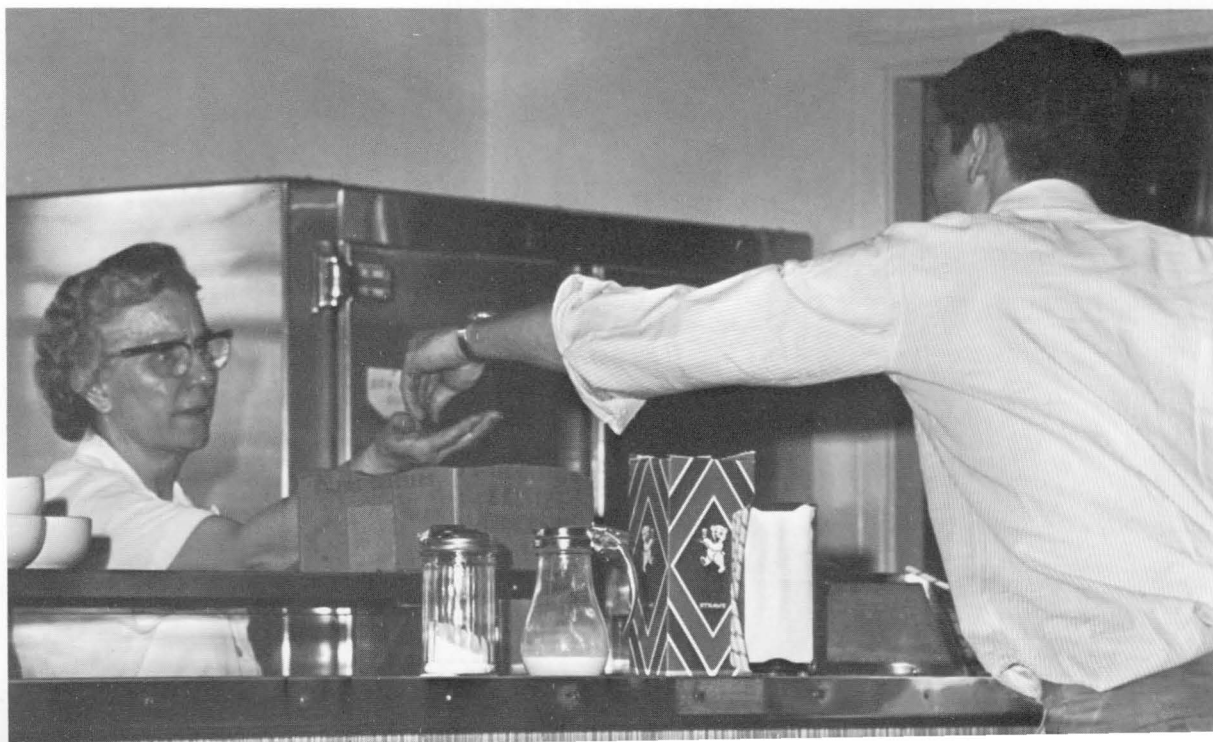
Kerch guns.





Winter.

"That's twenty-one, no, twenty-two, no, thirty two cents."



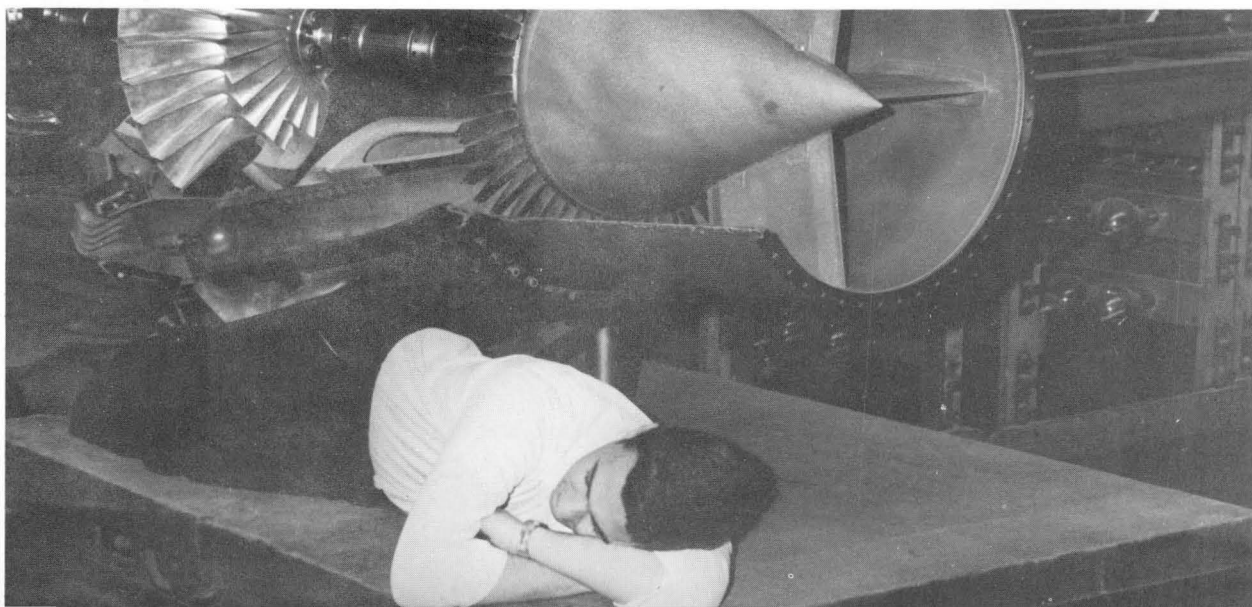


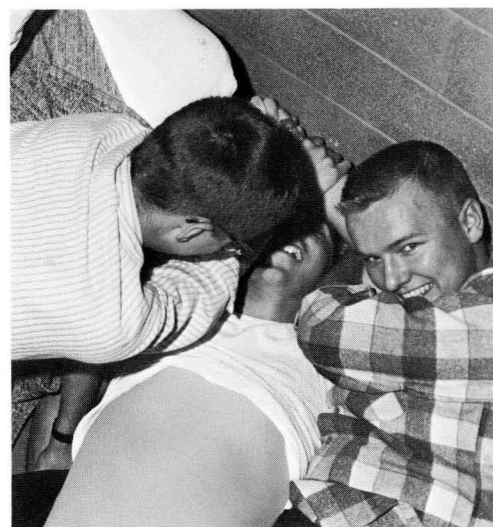
"Think I'll have another cup of coffee."



Double-time, boys!

Sack time.

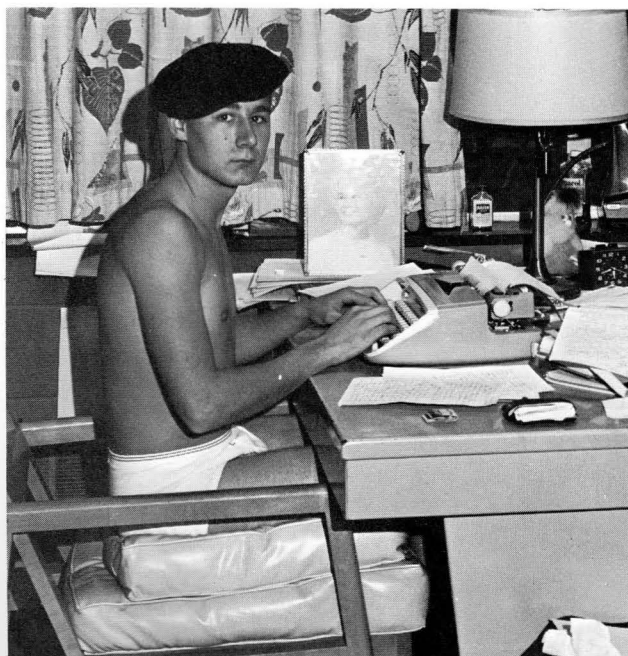




Time-out for some intermural.

"Coffee break."

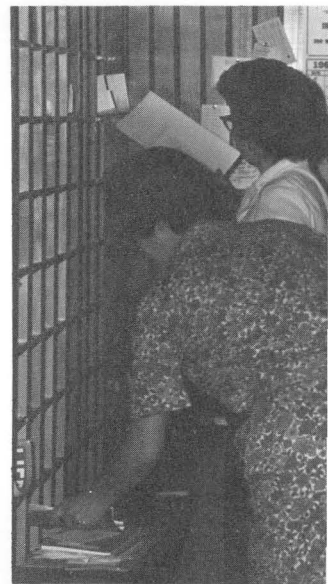
Kerch guns on!





A "Merry Christmas!" at the faculty Christmas party.

Through wind and rain ...



A break for some half-time pre-rush and a coke.



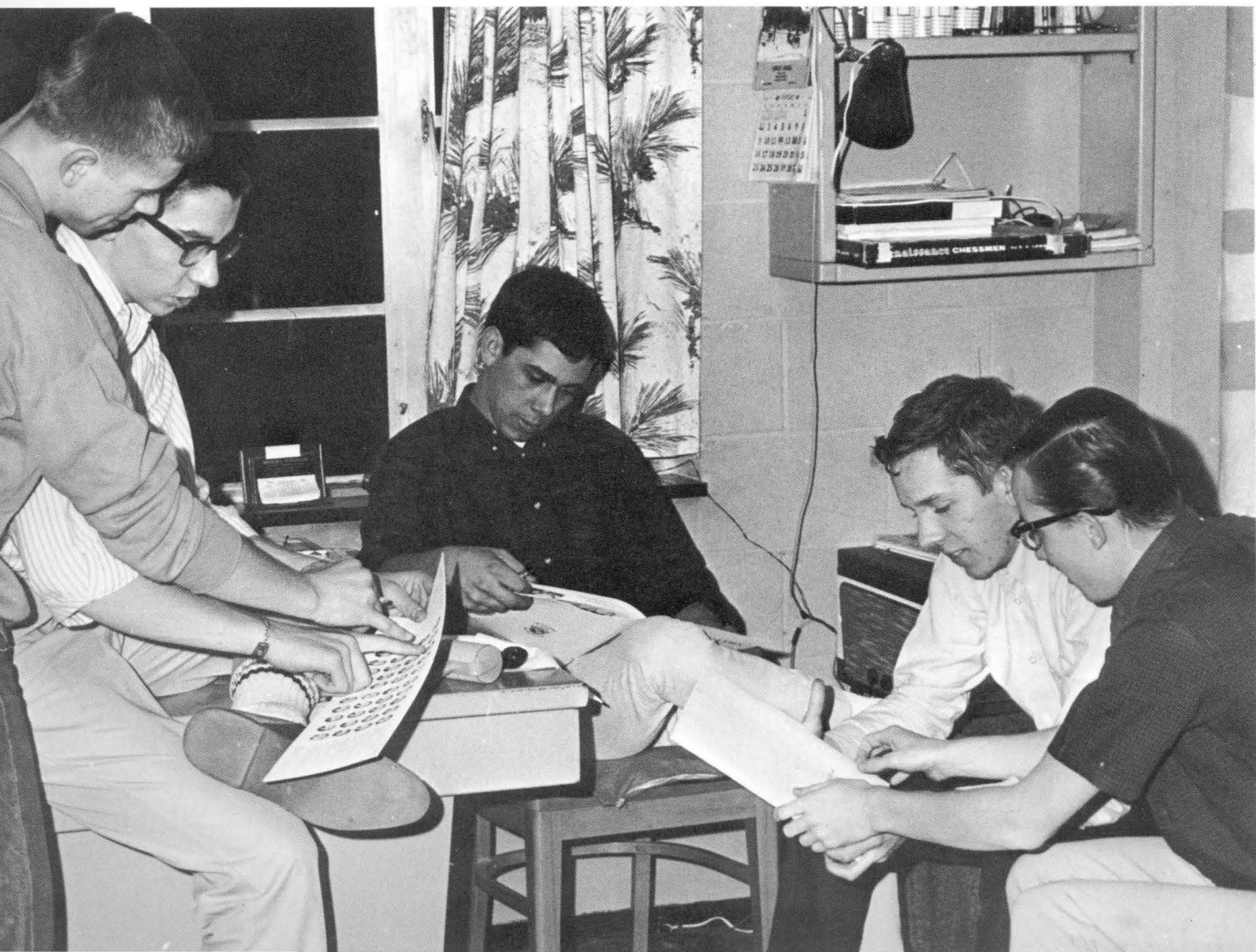


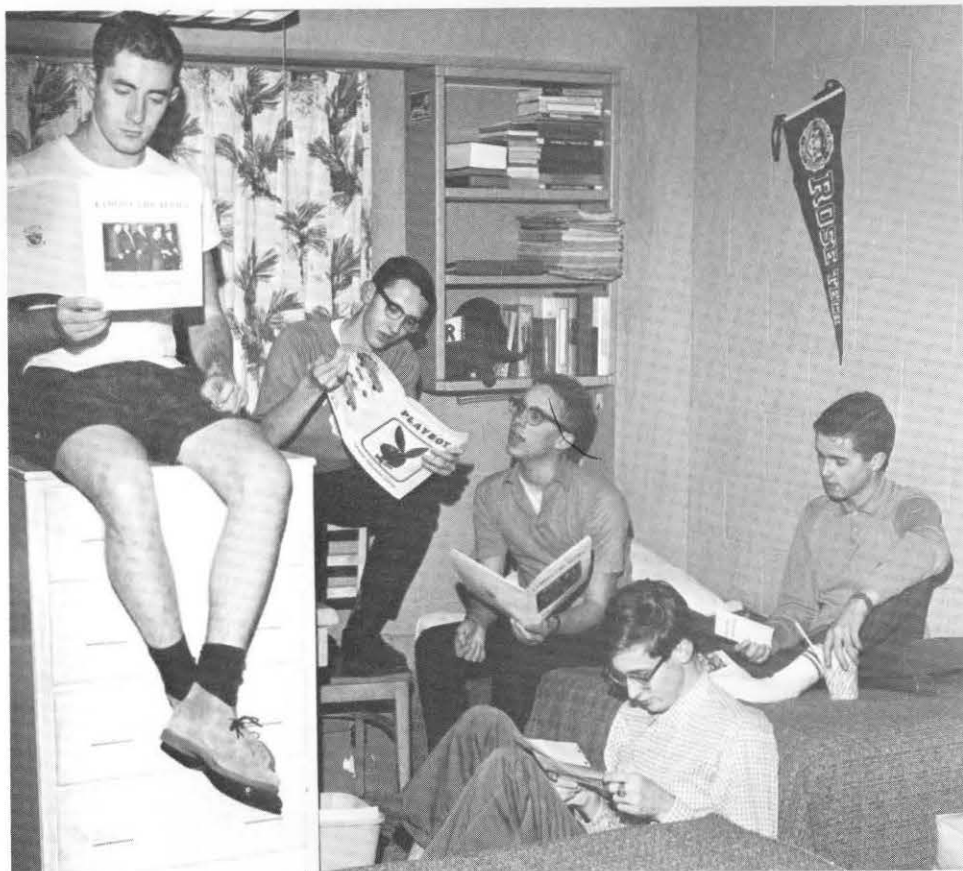
Hi, guys!

The big decisions are made.



The big picture.





Even in the middle of a serious matter there's time for Playboy.

Student Center time.



The cold walk to breakfast.





The early evenings.



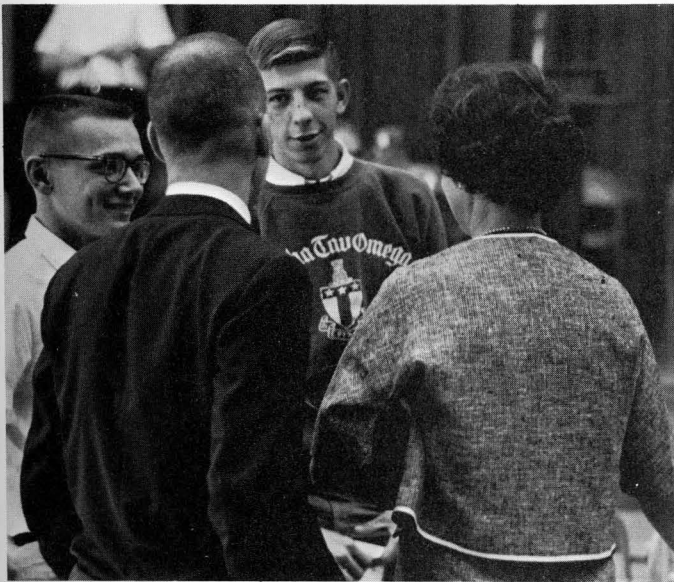
"Think it'll snow some more?"

The Constitution Committee goes to work.





Are you sure that's the sweatshirt you want?



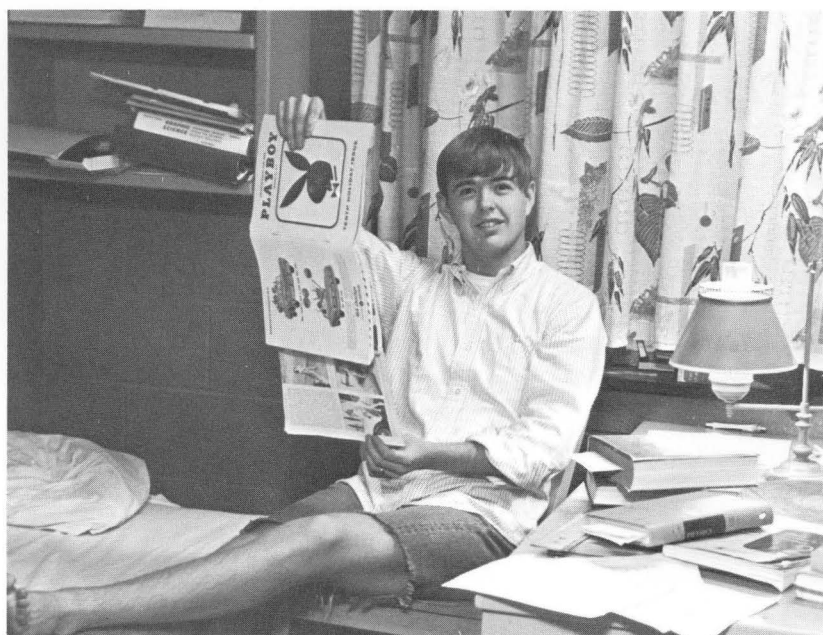
Lindley and Cug talk with Mr. and Mrs. Copeland.





Spring

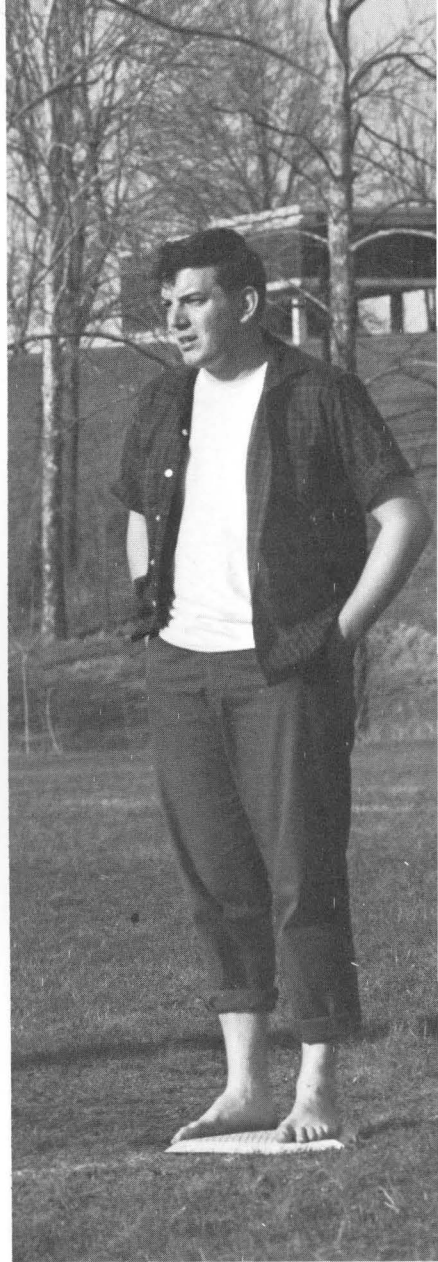
Guess what I found.





What's so funny, Bronis?

What the??



Come on, play ball!

"You know Tom, when I was a boy ... "



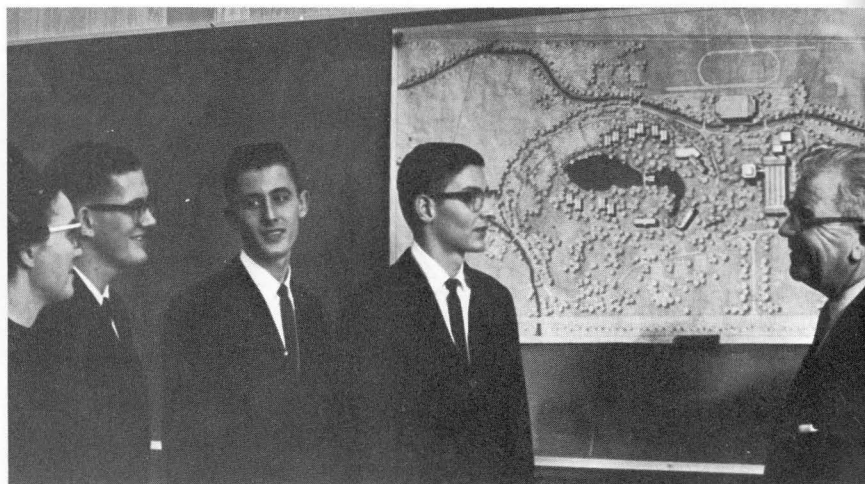


Let's gol

Bivouak—1964.



Prof. Headdy shows the new plans to some prospective freshmen.



Construction on the new turning island is hard under way.



Beginning the big campaign.

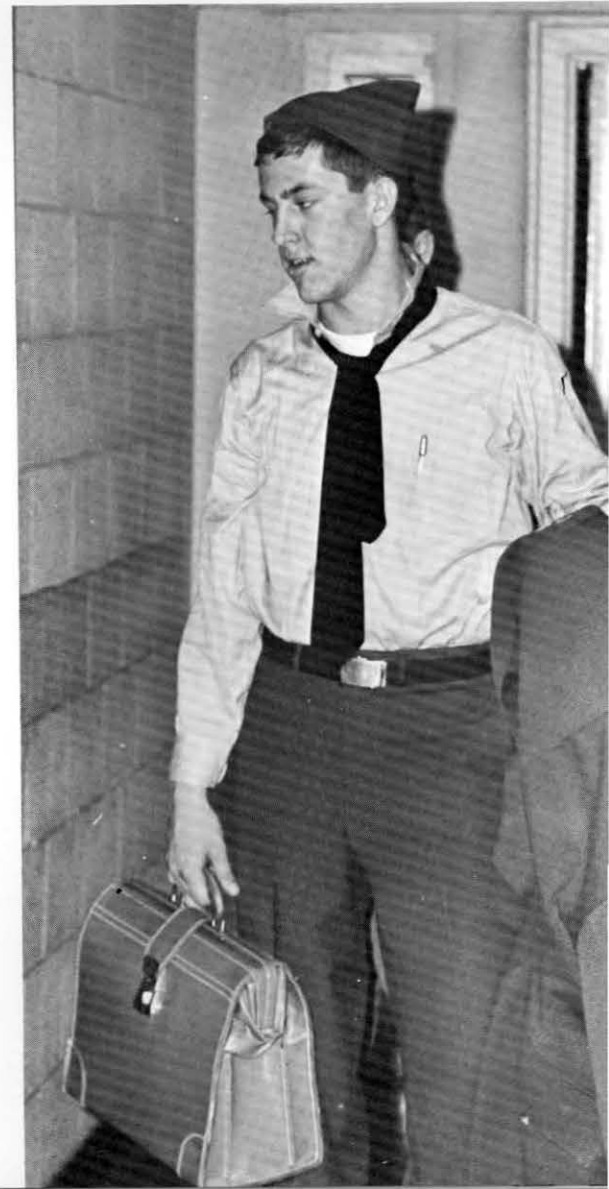


The Oscar C. Schmidt Memorial speaker.

Thank God, that's over!



Contact.



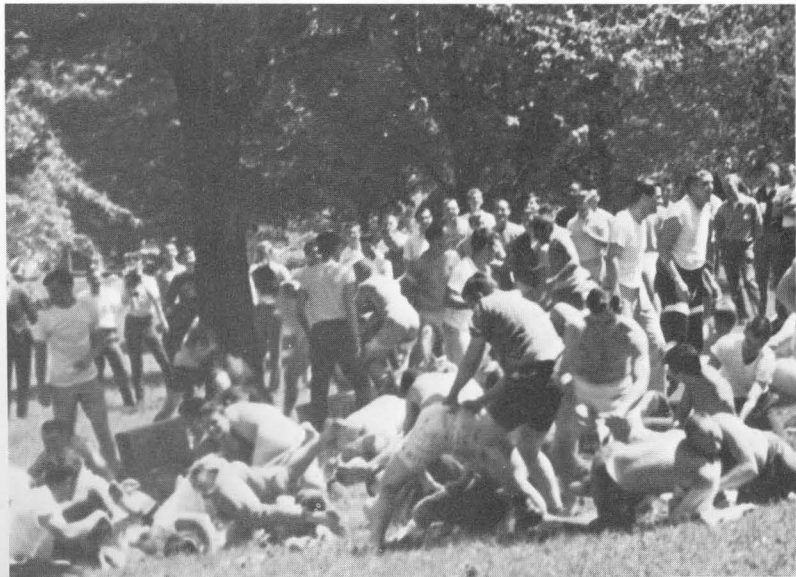


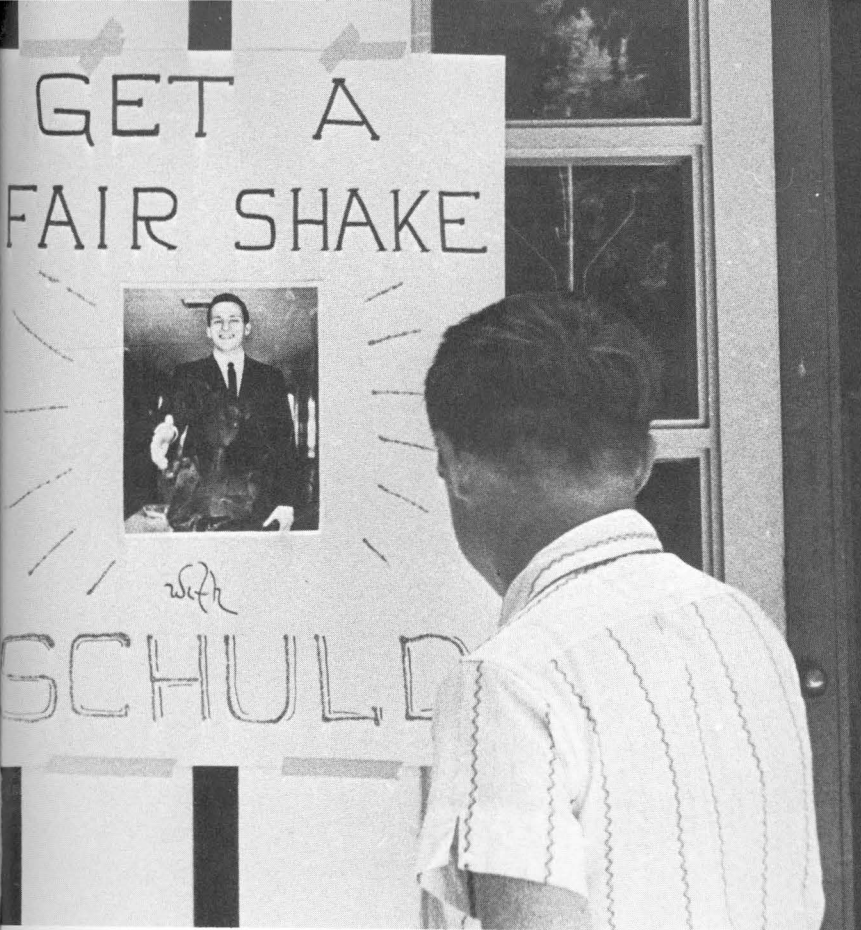
The Student Center in early evening.



Turtle hunting in "Wiskers Lake."

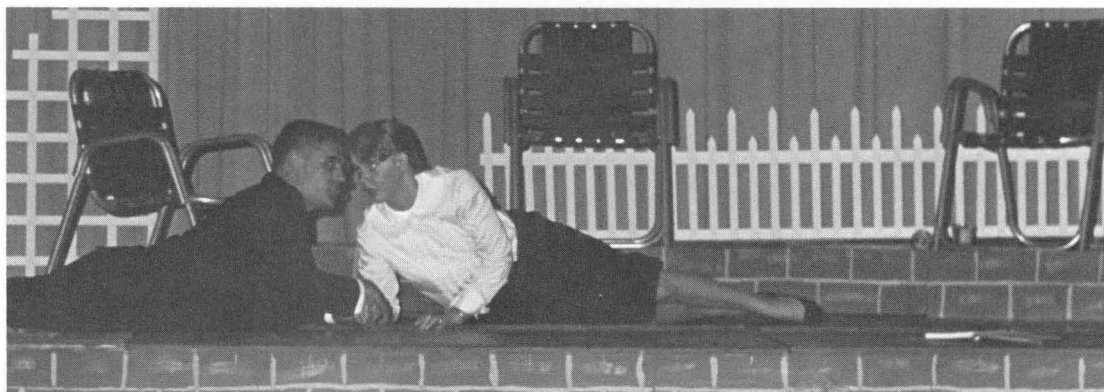
Progress is made.





"Re-elect Schuld."

Andy Breece enjoys his part in the play.



What did you do with the rest of the platoon, Mr. Dunn?



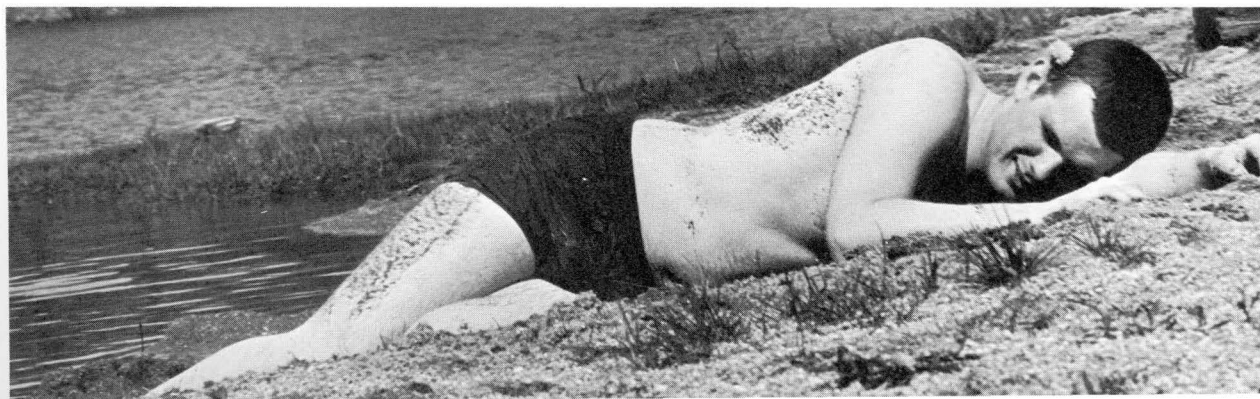


"Who's the PMS, Cadet?"

The end—a laking.



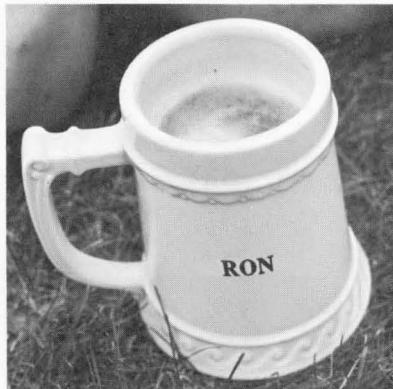
Photo by Carter?





The plot thickens.

Out of the Editor's mug.



Hurry! It's leaking onto the first floor.



Finis.



ACADEMICS





Academic graduation is the primary purpose for which all students come to Rose. Although many minor diversions may appear during his brief stay, the Rose man must always remember to place the academic side of the Institute first and foremost.

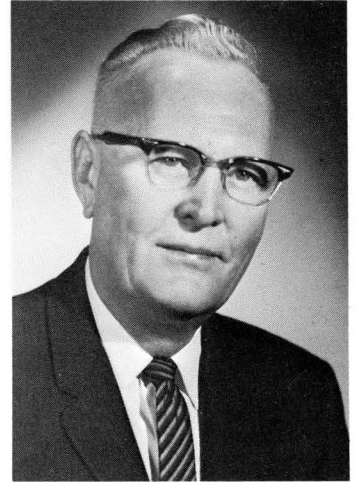


HERMAN A. MOENCH

Vice President and Dean of Faculty; B.S., Rose Polytechnic Institute; M.S.E., University of Michigan; Tau Beta Pi; Sigma Xi; Blue Key; I.E.E.E.; A.S.E.E.

JOHN L. BLOXSOME

Vice President for Development; A.B., DePauw University; A.M., University of Chicago; Blue Key; Delta Upsilon; A.A.C.; A.C.P.R.A.; A.S.E.E.



RALPH M. ROSS

Dean of Students; B.A., DePauw University; M.A., Indiana University; Phi Delta Kappa; M.A.A.; A.S.E.E.; A.A.U.P.

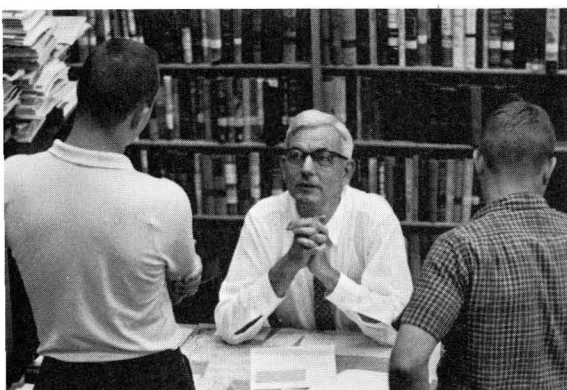
CARSON W. BENNETT

Director of the Library; B.A., Butler University; M.A., Indiana State College; B.S. in L.S., George Peabody College; Alpha Beta Alpha; Sigma Nu; A.L.A.; A.S.E.E.; A.A.U.P.; S.L.A.; I.L.A.

Administration

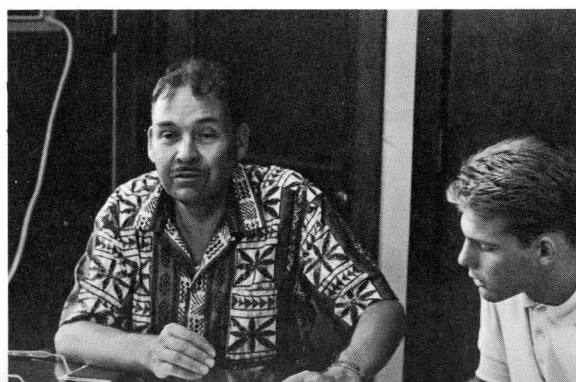


In any organization, be it a school, a business, or a government, some agency must handle the details which allow the structure to function smoothly and efficiently. This role is managed at Rose by the administrative staff. The staff is responsible for the many functions without which Rose could not operate, such as: records of grades and monies kept, the handling of mail, recruitment of new students, placement of graduating seniors in industry or graduate school, raising of funds, typing of tests and papers, scheduling of classes, and many other equally important matters concerned with the operation of a college. All these details are so well integrated into the life of the Rose student that most students are unaware of the good fortune we enjoy in having a staff as effective as ours.

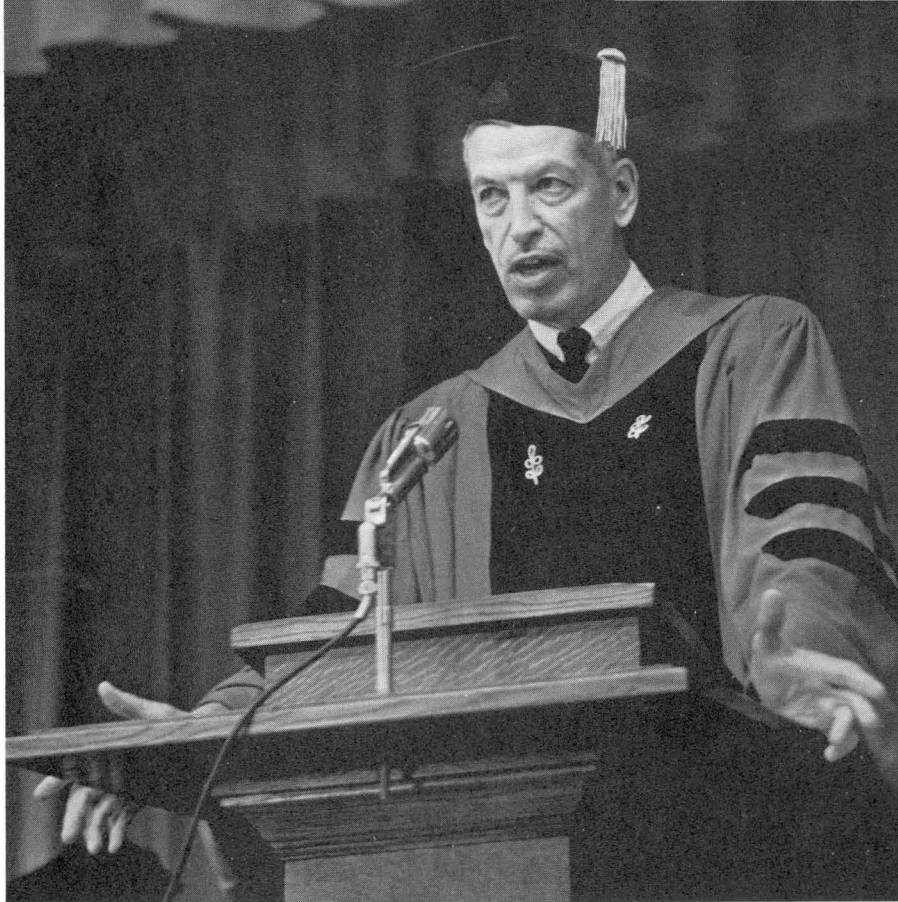


The student's friend

"It seems to me ..."



"A little more to the right."



Dr. Logan.



PAUL B. HEADY

Director of Admissions and Placement; A.B., Ball State Teachers College; Phi Delta Kappa.

J. G. LEE

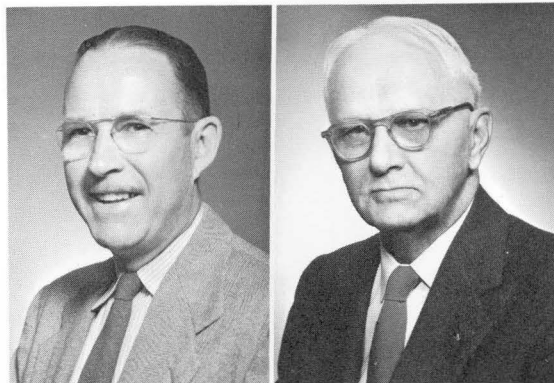
Registrar; B.S., Rose Polytechnic Institute; Tau Beta Pi.

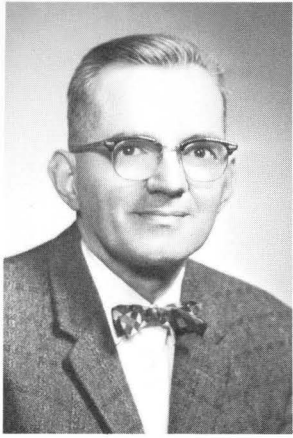
GEORGE MOENCH

Bursar.

LeROY BROWN

Institute Chaplain; B.A., M.A., Williams; A.M., Harvard; B.D., Union Theological Seminary; Phi Gamma Delta.





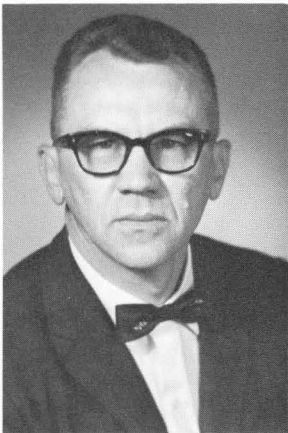
IRVIN P. HOOPER

Professor of Mechanical Engineering and Head of Department; B.S., Tufts University; M.S., University of Vermont; Tau Beta Pi; Alpha Tau Omega; A.S.M.E.; A.S.E.E.; A.A.U.P.; N.S.P.E.

The Mechanical Engineering Department at Rose strives to prepare its students for a bachelor of science degree. The curriculum includes thermodynamics, heat and energy transfer, design and analysis of machines, and utilization of equipment. Basic mathematical and technological techniques are presented in such a way that the graduate with his bachelor of science degree is well prepared to go into industry or on to graduate school.

The department offers graduate work leading to a master of science degree. This work includes mathematics and physical and engineering sciences. A research project and thesis are basic requirements for the master of science degree.

Mechanical Engineering



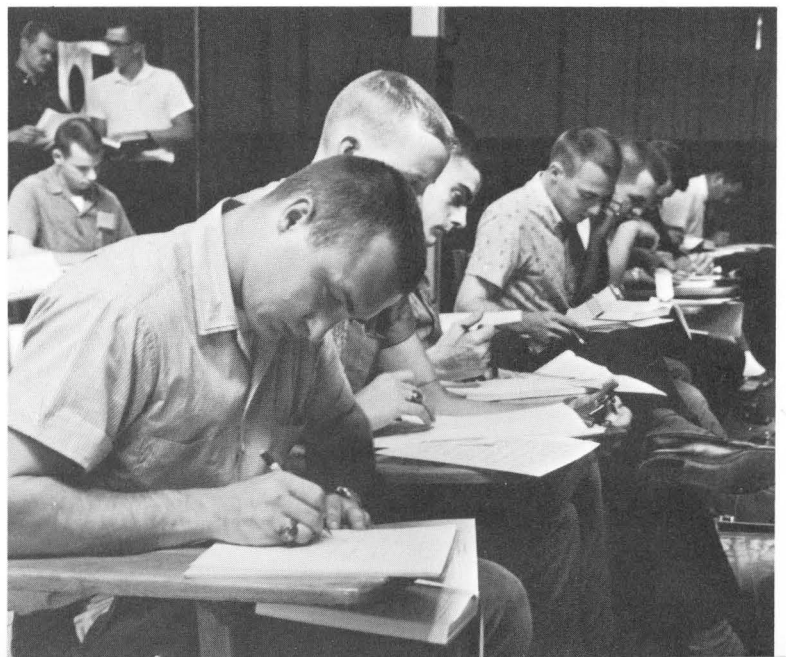
EDWARD H. ECKERMAN

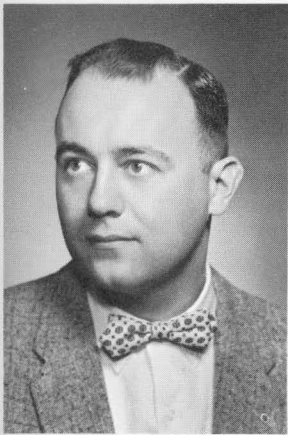
Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M.S., Yale University; Tau Beta Pi; Sigma Xi; Blue Key; Alpha Tau Omega; A.S.M.E.; A.S.E.E.; A.A.U.P.

ROBERT STEINHAUSER

Assistant Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M.S., Stanford University; Tau Beta Pi; Theta Xi; A.S.M.E.

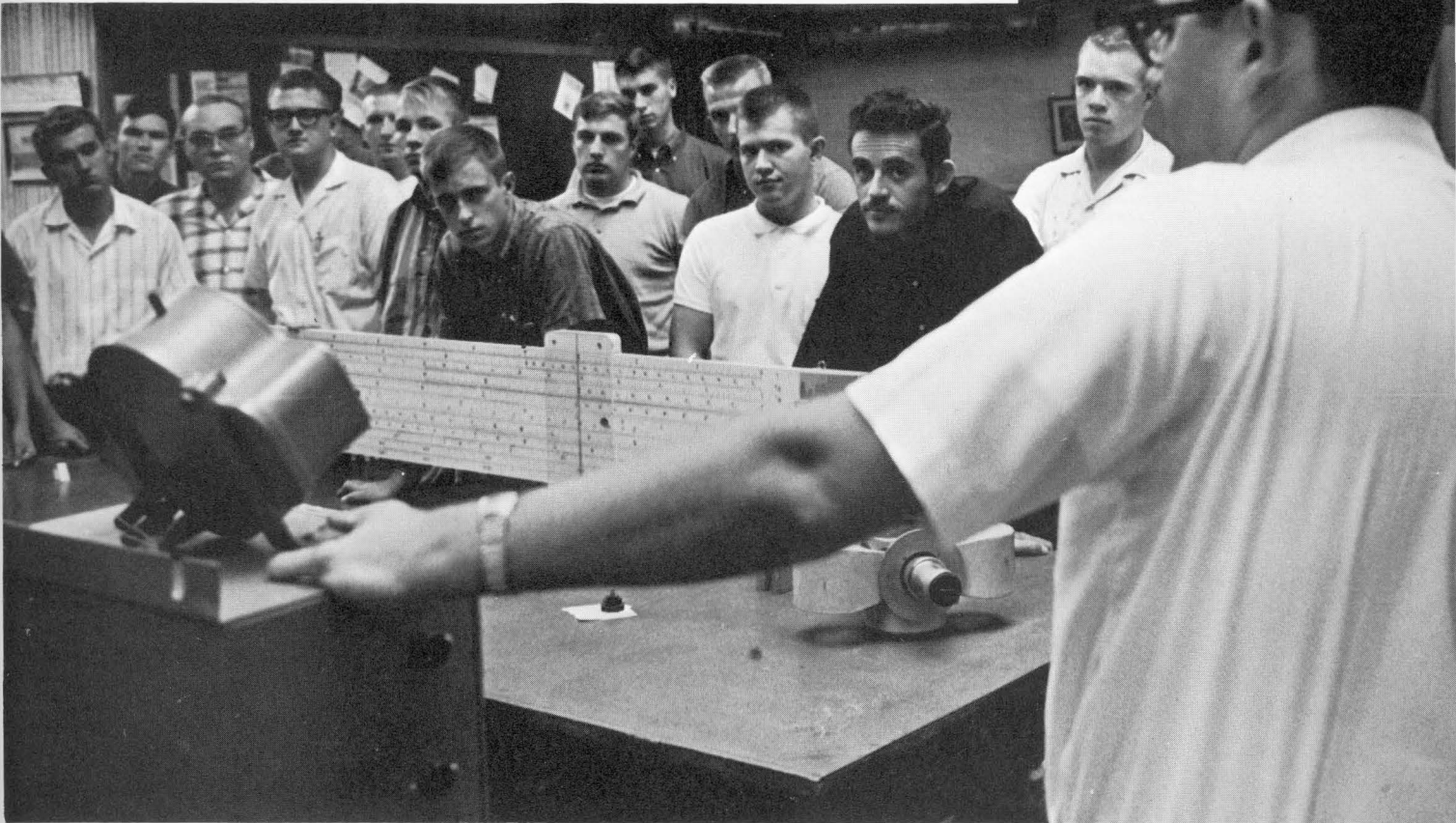
The big crank.





EDWARD V. TRUNK

Instructor; B.M.E., City College of New York; M.S., Rose Polytechnic Institute; Pi Tau Sigma; Alpha Mu Epsilon; A.S.M.E.; H.U.R.



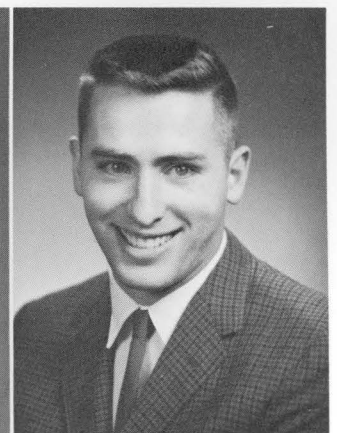
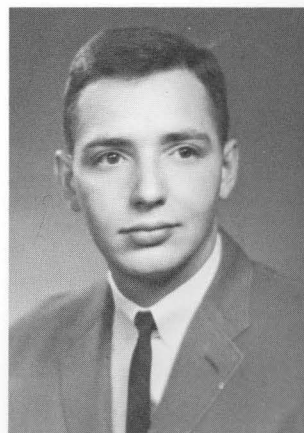
"In this class we always use a right hand rule."

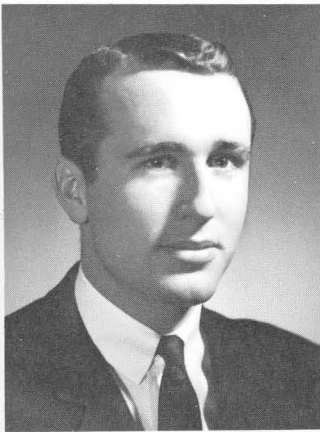
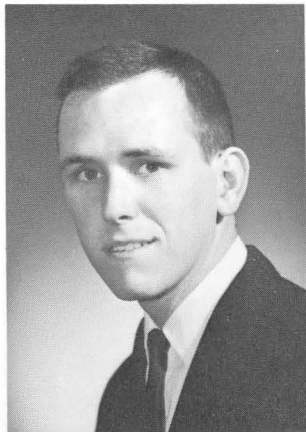
ROBERT R. BOROUGHS

Terre Haute, Indiana
A.S.M.E.

WILLIAM L. BERGSTRAND

Brookfield, Illinois
Lambda Chi Alpha; A.S.M.E.





JAMES LEONARD BROWN

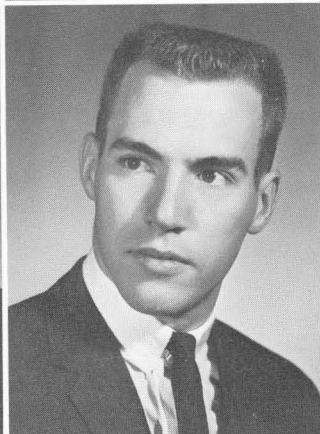
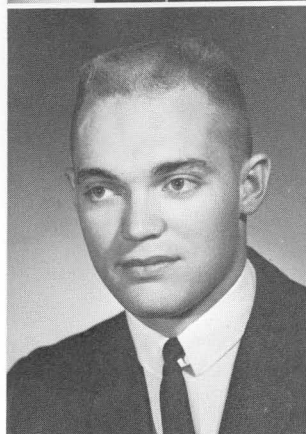
Memphis, Indiana

Blue Key; Sigma Nu; S.A.M.E.; A.S.M.E.; MODULUS; EXPLORER, Sports Editor; Honor Man; R-Men; Basketball, Captain; Flying Club.

PETER B. CANALIA

Chicago, Illinois

Sigma Nu, Social Chairman; A.S.M.E.; MODULUS; Business Manager; TECHNIC; Senior Class Secretary-Treasurer; Track; Debate Team.



STEVEN LYNN CHARLTON

New Castle, Indiana

Sigma Nu; A.S.M.E.; TECHNIC; R-Man; Football.

ALVIN LEWIS CLECK

Crawfordsville, Indiana

Theta Xi, Treasurer, Rush Chairman, Pledge Trainer, House Manager; A.S.M.E.

BRYCE D. DRAKE

Martinsville, Illinois

S.A.M.E.; A.S.M.E.; Rifle Club; Class Honors, Fr., Soph., Jr.

ROBERT F. FINNEY

Deerfield, Illinois

Alpha Tau Omega; S.A.M.E.; A.S.M.E.; TECHNIC, Associate Editor; Rose Rifles.

JOSEPH R. GRIFFIN

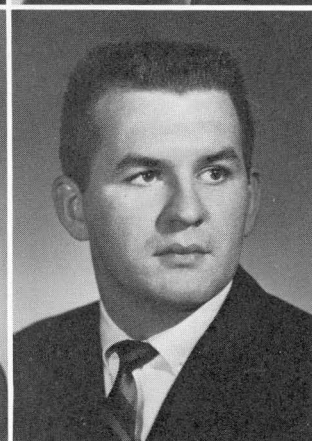
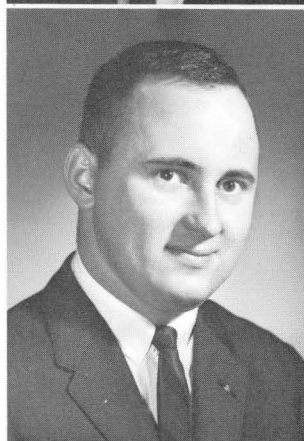
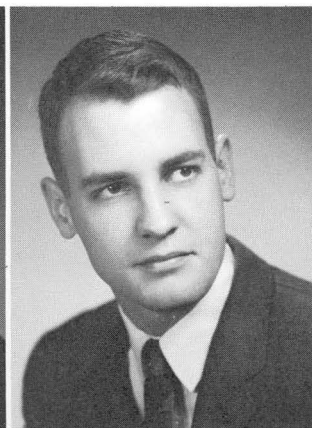
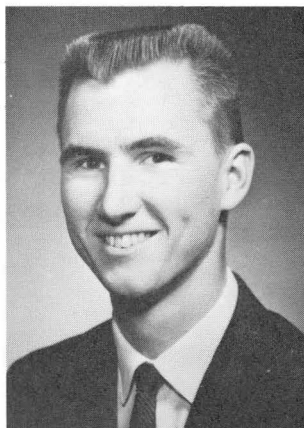
Speedway, Indiana

Blue Key, President; Sigma Nu, Rush Chairman, House Manager; A.S.M.E.; MODULUS; TECHNIC, Associate Editor, Business Manager, Circulation Manager.

PATRICK C. HAUERT

Kankakee, Illinois

Theta Xi, President, Vice President; A.S.M.E.; I.F.C.; R-Man; Football.



JAMES LEE HAYHURST

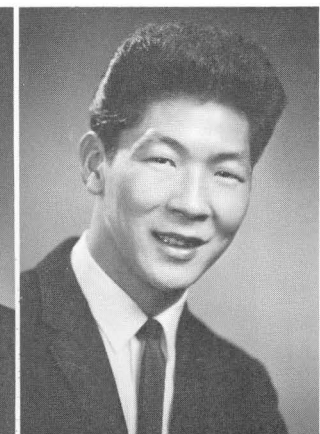
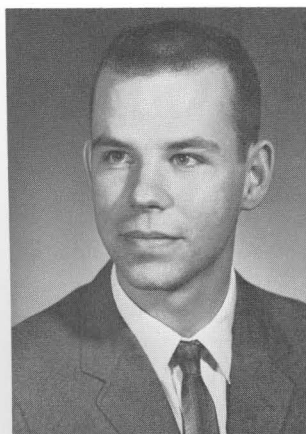
Hebron, Indiana

A.S.M.E.; Class Honors, Jr.

MELVYN A. IZUMI

Wapahu, Oahu, Hawaii

Tau Beta Pi; Theta Xi; A.S.M.E.; Class Honors, Fr., Soph., Jr.





American Society of Mechanical Engineers

EDWARD PATTON KELLEY

Terre Haute, Indiana
A.S.M.E.; Glee Club; Rose Rifles; Rifle Club.

BRUCE M. KOPF

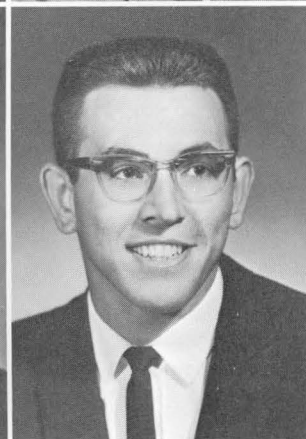
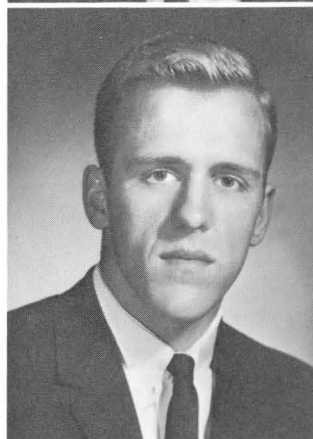
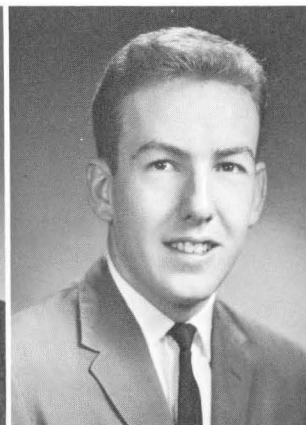
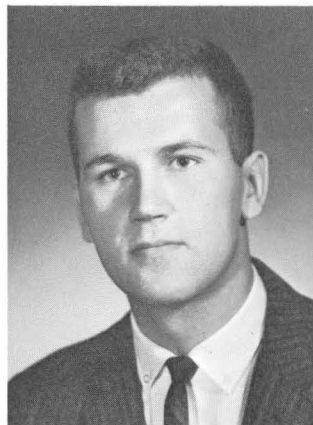
Oak Lawn, Illinois
Lambda Chi Alpha; S.A.M.E.; A.S.M.E.; EXPLORER.

ROBERT E. LEONARD

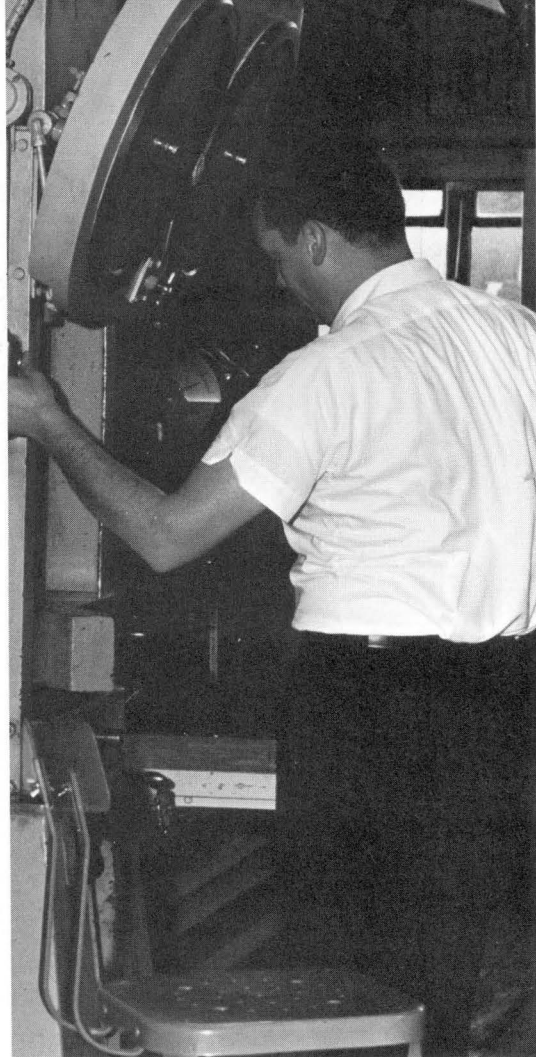
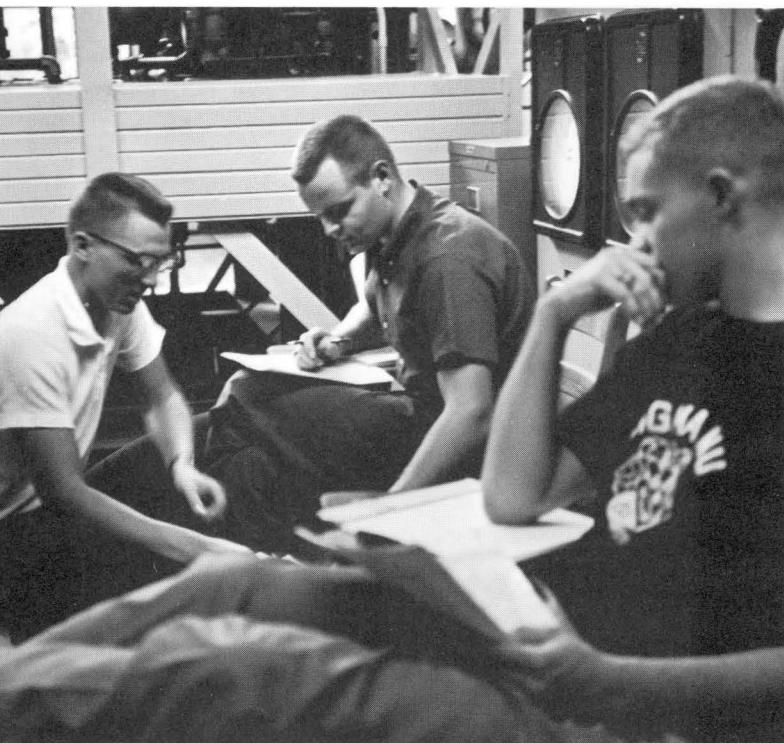
Speedway, Indiana
Lambda Chi Alpha; S.A.M.E.; A.S.M.E.; Glee Club.

VAUGHN R. LOVE

Brazil, Indiana
Lambda Chi Alpha; A.S.M.E.; R-Man; Football; Camera Club;
Astronomy Club.



2 million foot-pounds!



NOW what's wrong?

BRENTON RAY LOWER

Mishawaka, Indiana
Sigma Nu, Secretary, Social Chairman; A.S.M.E.; MODULUS; EX-
PLORER; Glee Club.

JIMMY LEE LUNSFORD

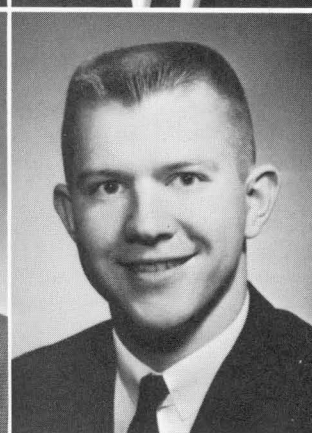
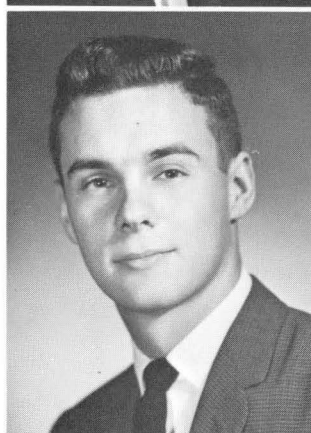
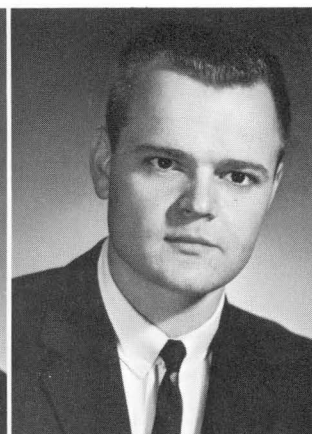
Cayuga, Indiana
S.A.M.E.; A.S.M.E.

ROBERT A. McKNIGHT

Zionsville, Indiana
Blue Key, Secretary-Treasurer; Alpha Tau Omega; S.A.M.E.,
Secretary; A.S.M.E.; MODULUS; Honor Man; R-Man; Basketball;
Glee Club; Rose Rifles; Camera Club, President, Vice President;
Astronomy Club, President; Pep Band.

DONALD DEAN MILLER

Seymour, Indiana
Lambda Chi Alpha; S.A.M.E.



CARL E. MOFFETT, JR.

Terre Haute, Indiana

Lambda Chi Alpha; S.A.M.E.; A.S.M.E.; EXPLORER; Camera Club.

DAVID Y. RICE, JR.

Cleveland, Ohio

Blue Key, Secretary-Treasurer; Alpha Tau Omega, Secretary, Rush Chairman; A.S.M.E.; EXPLORER, Business Manager, Advertising Manager; TECHNIC, Business Manager, Advertising Manager; Board of Publications; Honor Man; R-Man; Basketball.

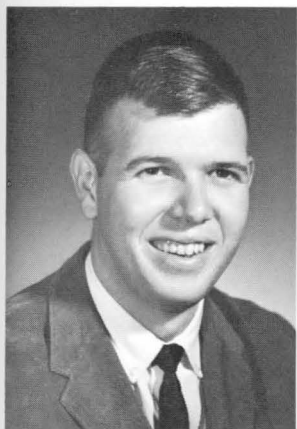
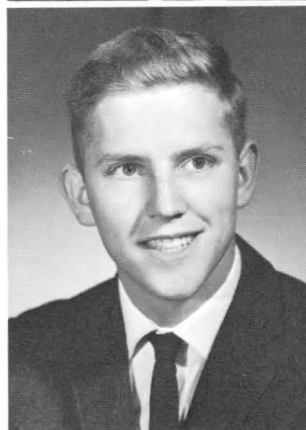
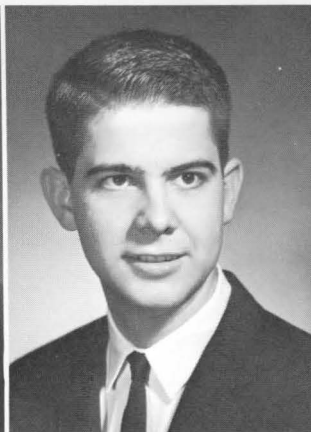
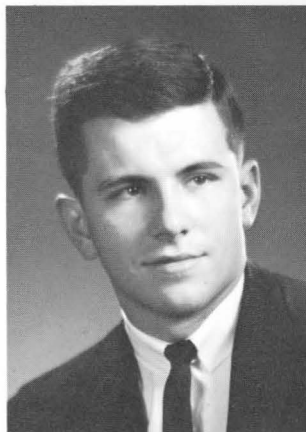
THOMAS E. ROBISON

Brazil, Indiana

CHARLES PAUL SPENCER

Evansville, Indiana

Theta Xi, Pledge Trainer, Social Chairman; A.S.M.E.



JOHN F. STINEMAN

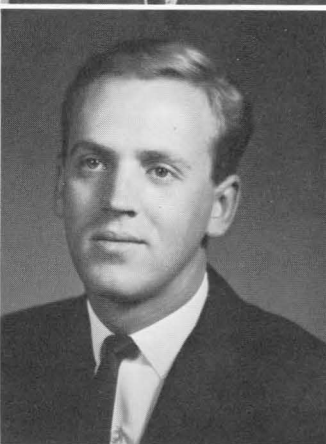
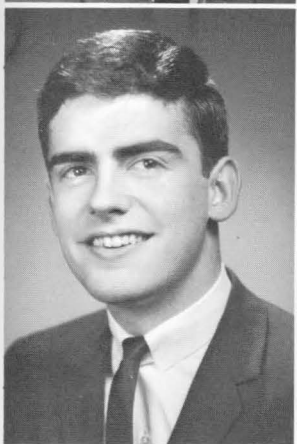
Cincinnati, Ohio

Blue Key; Alpha Tau Omega, President; A.S.M.E.; MODULUS, Business Manager; Student Council; I.F.C.

RICHARD D. SWAN

Lakeville, Indiana

Sigma Nu; A.S.M.E.; Glee Club.



HARRY W. TEMPLIN

Danville, Indiana

Blue Key; Lambda Chi Alpha, House Manager; S.A.M.E.; A.S.M.E., President; TECHNIC, Advertising Manager; Junior Class Secretary-Treasurer; Honor Man.

MICHAEL D. THOMAS

Brazil, Indiana

Blue Key; Lambda Chi Alpha; S.A.M.E.; A.S.M.E.; EXPLORER; TECHNIC, Editor-in-Chief; Student Council; Honor Man; Camera Club; Pep Band.

JOSEPH E. THURSTON

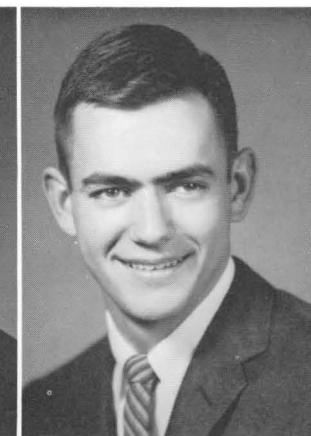
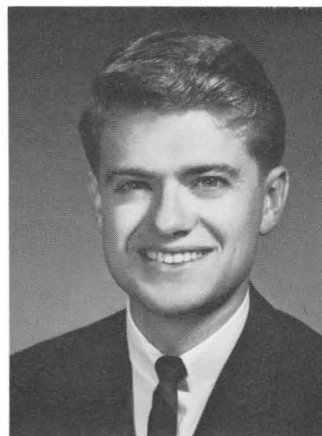
Richmond, Indiana

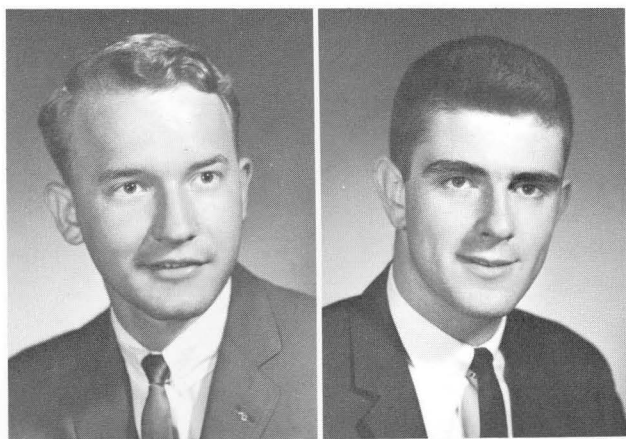
Sigma Nu; A.S.M.E.; EXPLORER.

ROBERT E. VALLE

Terre Haute, Indiana

Tau Beta Pi; Blue Key; Lambda Chi Alpha, Vice President; A.S.M.E.; EXPLORER; TECHNIC, Associate Editor, Feature Editor; I.F.C.; Honor Man; R-Man; Baseball; Class Honors, Jr.





JOHN M. WARNKE

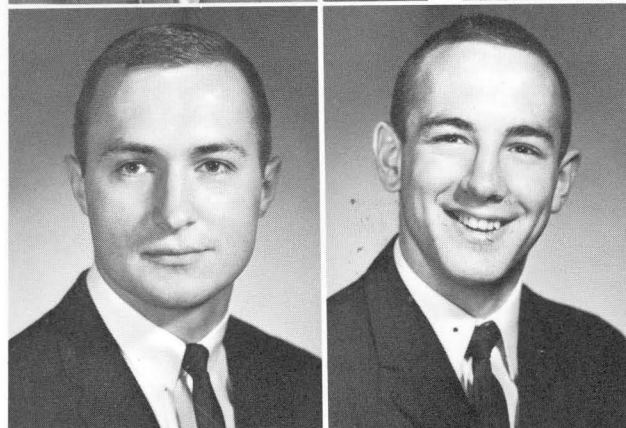
Springfield, Illinois

Alpha Tau Omega; S.A.M.E.; A.S.M.E.; Glee Club; Flying Club.

WILLIAM K. WATSON

Culver, Indiana

Theta Xi, Vice President, House Manager; A.S.M.E.; I.F.C.



JOSEPH B. WEISER

Middletown, Indiana

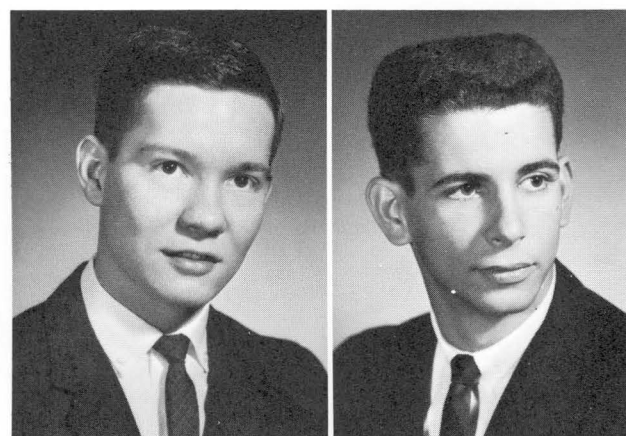
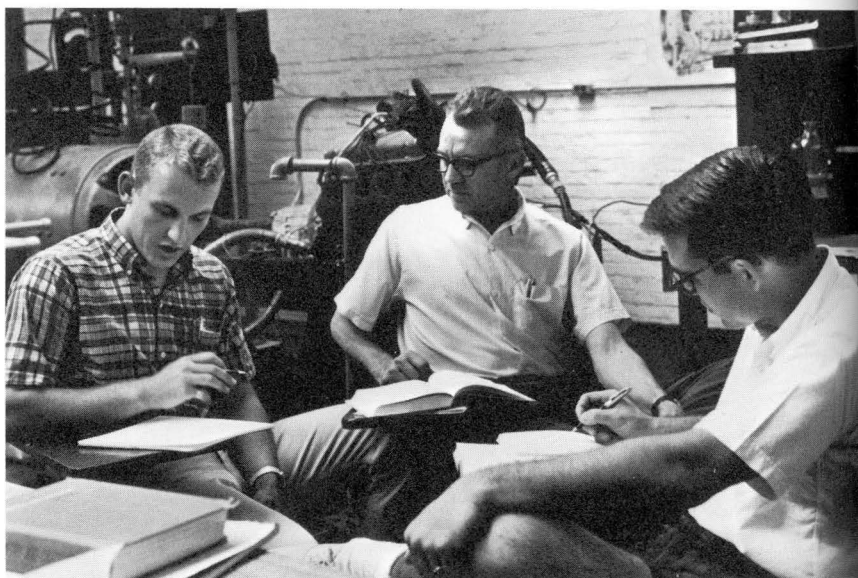
Theta Xi; A.S.M.E.

DUANE R. WOOD

Indianapolis, Indiana

A.S.M.E.; Honor Man; R-Man; Football; Basketball; Track, Captain.

It's this way, boys . . .



STEPHEN C. WOOLLEY

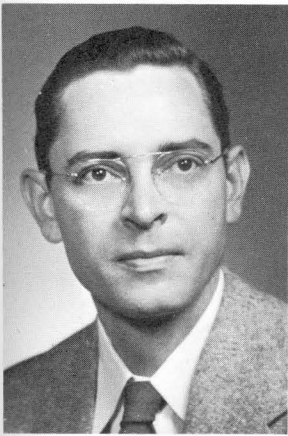
Kokomo, Indiana

Lambda Chi Alpha; A.S.M.E.; MODULUS; EXPLORER; R-Man; Track, Manager.

GERALD F. ZINNGRABE

Evergreen Park, Illinois

Blue Key; Sigma Nu; S.A.M.E.; A.S.M.E.; EXPLORER; TECHNIC; Contributing Staff Manager; Student Council; Honor Man; Track; Class Honors, Fr.



DARRELL E. CRISS

Professor of Electrical Engineering and Head of Department;
B.S., Rose Polytechnic Institute; M.S., Ph.D., University of Illinois;
Tau Beta Pi; Sigma Xi; I.E.E.E.; A.S.E.E.; A.A.U.P.

Electrical Engineering is one of the fastest growing industrial fields today; thus it is also a rapidly expanding department at Rose. The "Double-E" department is concerned with power conversion and transfer, control of electrical energy, electro-mechanical energy conversion, information transmission and much more.

The Electrical Engineering Department at Rose gives its students a general background in these fields and an opportunity to enter industry or graduate work after earning a Bachelor of Science degree.

Electrical Engineering

CHARLES C. ROGERS

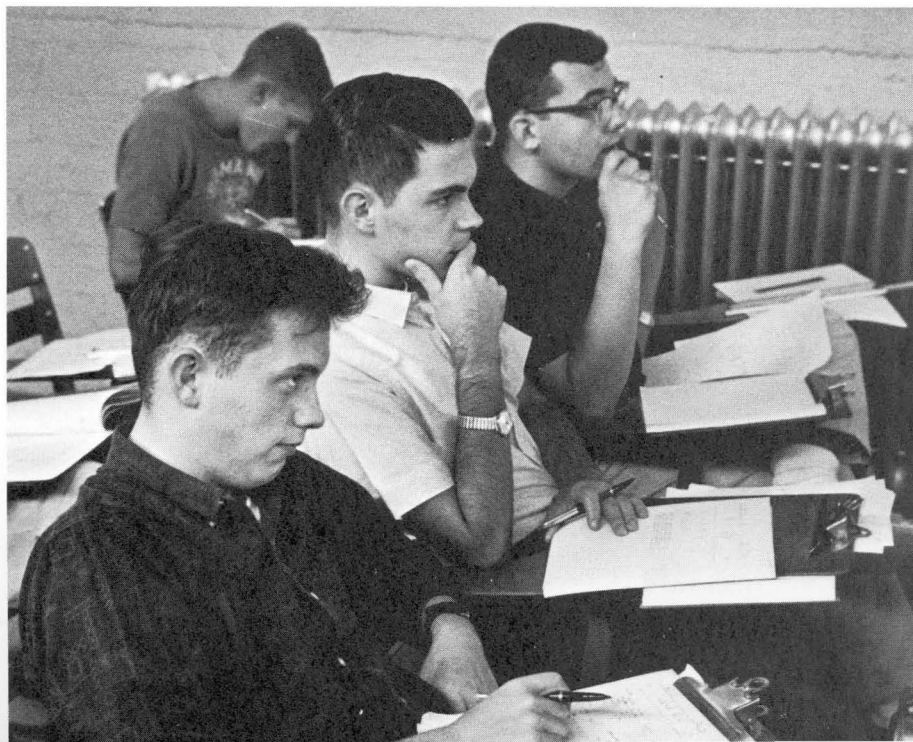
Associate Professor of Electrical Engineering; B.S., M.S., Ph.D.,
Purdue University; Eta Kappa Nu; Tau Beta Pi; Sigma Xi; A.S.E.E.;
I.E.E.E.; A.A.A.S.

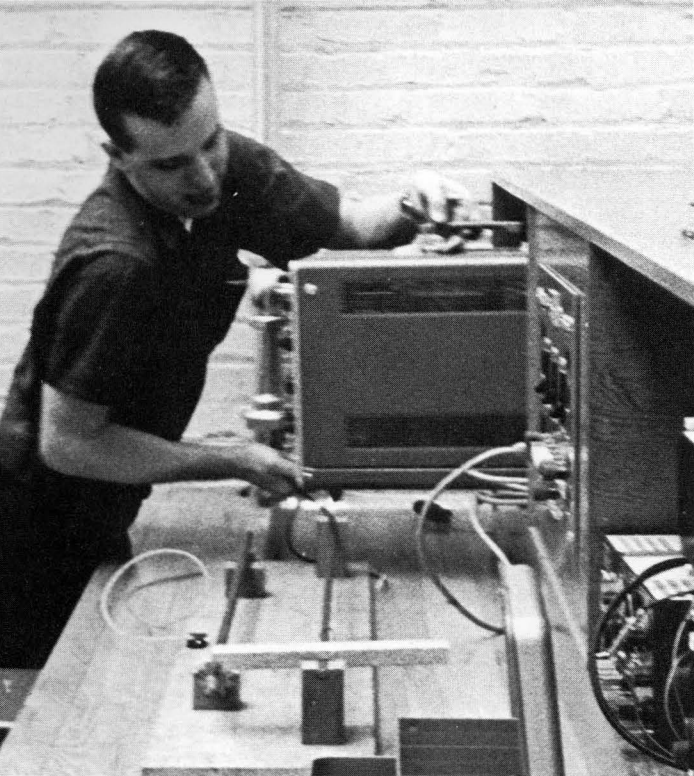
JOHN H. DERRY

Assistant Professor of Electrical Engineering; B.S., Rose Poly-
technic Institute; M.S., Purdue University; Tau Beta Pi.



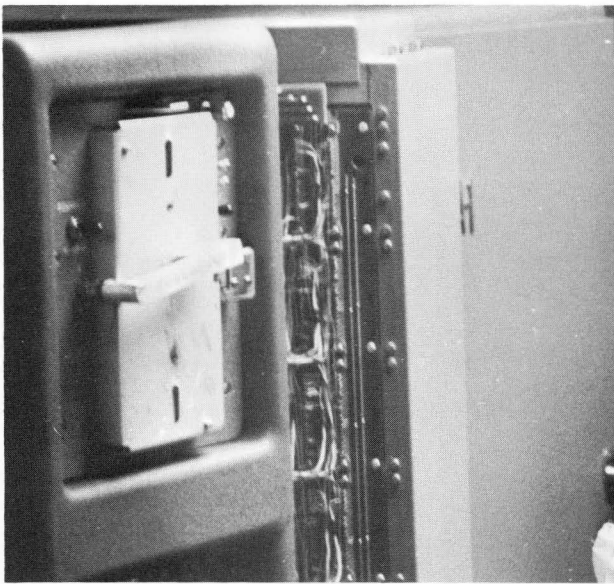
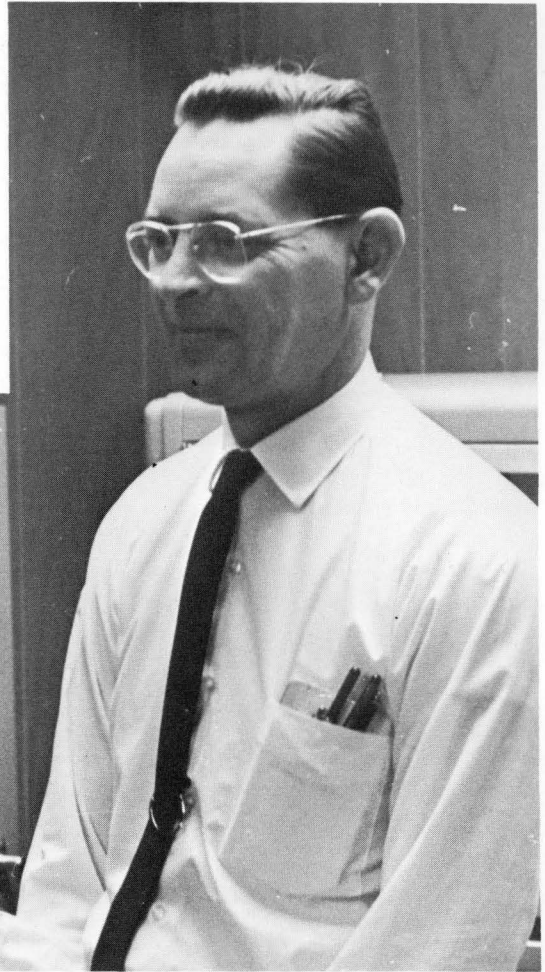
An hour exam? Tomorrow?



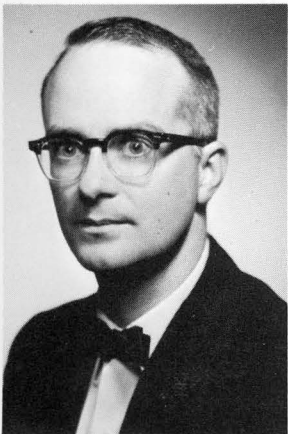


Boy, that son of a gun's heavy.

It works! It works!

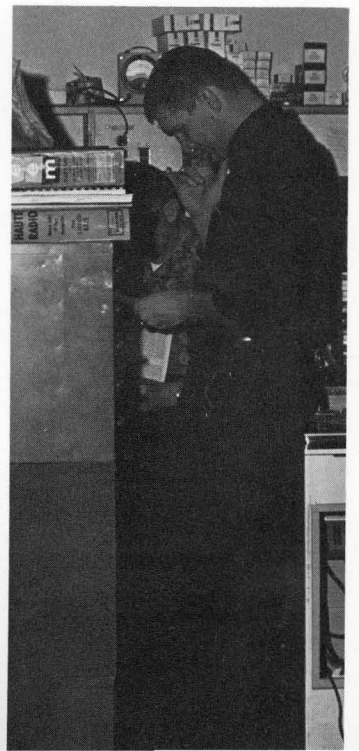


Hmmm.



HENRY J. WINTON

Assistant Professor of Electrical Engineering; B.S., Purdue University; M.S., University of Illinois; Tau Beta Pi; Eta Kappa Nu; I.E.E.E.

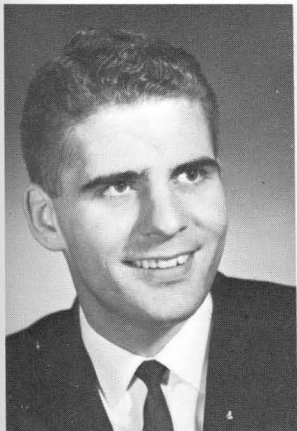
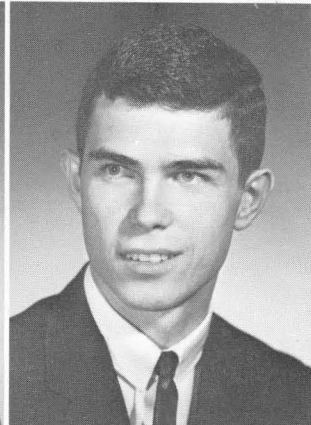
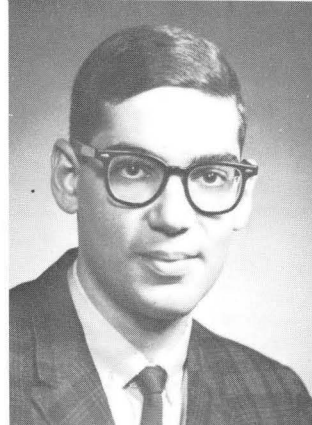
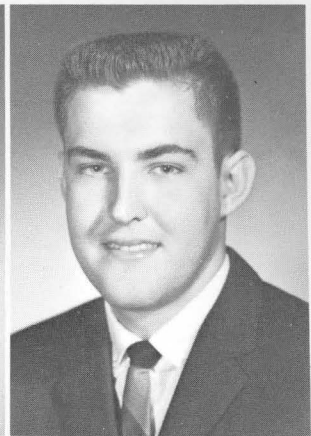
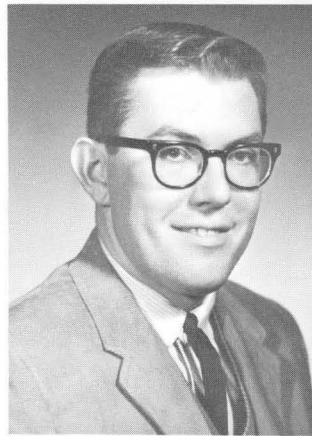


GERALD LEE ARMES
Washington, Indiana
I.E.E.E.; TECHNIC.

M. ALAN BECHTEL
Winslow, Indiana
Tau Beta Pi; S.A.M.E.; I.E.E.E.; Class Honors, Fr., Soph., Jr.

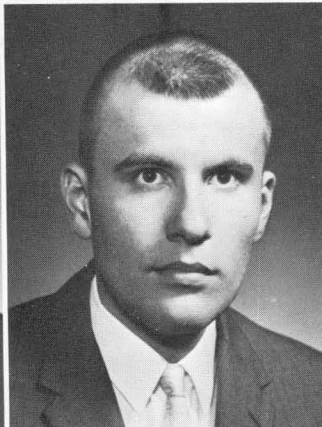
JULIAN BERGMAN
Brooklyn, New York

ROBERT WYNN BONSON
Palestine, Illinois
Sigma Nu; I.E.E.E.; R-Man; Track, Captain.



ANDY O. BREECE
Terre Haute, Indiana
Blue Key; Alpha Tau Omega, Secretary, House Manager; S.A.M.E., President; I.E.E.E.; MODULUS, Photographic Editor; TECHNIC; Honor Man; Glee Club; Camera Club, President.

JOSEPH A. BYRD
Mishawaka, Indiana

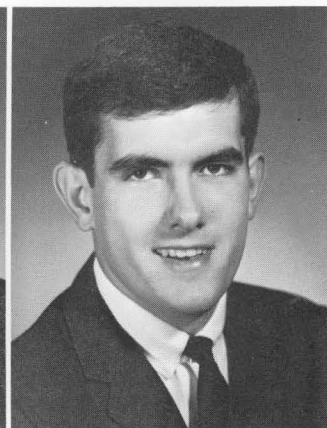
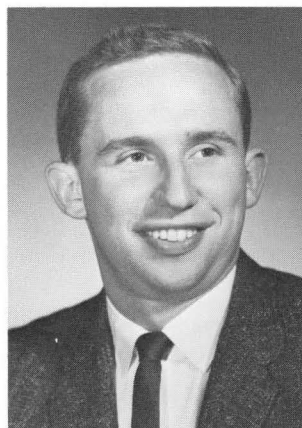


LARRY G. CLEMONS
Trenton, Michigan
Sigma Nu; I.E.E.E.; TECHNIC.

RONALD L. ESSERMAN
Chesterton, Indiana

ROBERT RAY GORDON
Elwood, Indiana
Lambda Chi Alpha; S.A.M.E.; I.E.E.E.; EXPLORER, News Editor.

PAUL GENE GOSS
Indianapolis, Indiana
Blue Key; Sigma Nu, Vice President, Pledge Trainer; S.A.M.E.; I.E.E.E.; MODULUS, Sports Editor; EXPLORER; I.F.C.; Honor Man; R-Man; Football.



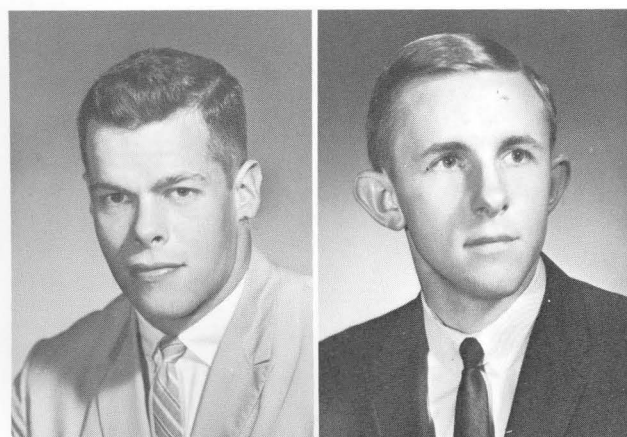


GERRARD L. MELLINGER
Terre Haute, Indiana

DAVID ALLEN RENNELS
Terre Haute, Indiana
Tau Beta Pi; S.A.M.E.; I.E.E.E.; Glee Club, President; Class Honors, Fr., Soph., Jr.

WILLIAM R. ROYER
Farmerburg, Indiana
I.E.E.E.; TECHNIC, Feature Editor.

MICHAEL L. SCHERER
Indianapolis, Indiana
Alpha Tau Omega; S.A.M.E.; I.E.E.E.; TECHNIC; Rose Rifles; Class Honors, Fr.

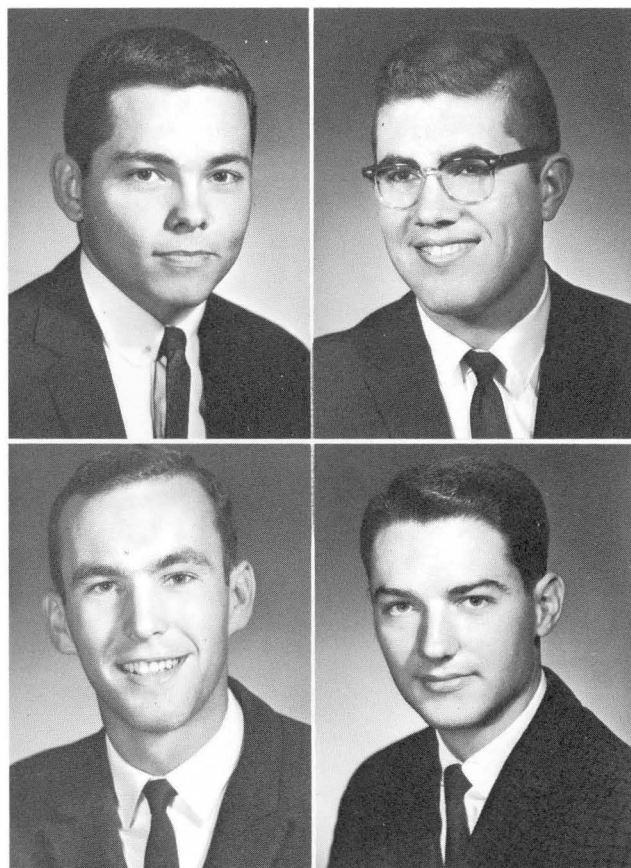


LARRY B. HALL
Indianapolis, Indiana
Sigma Nu; S.A.M.E.; I.E.E.E.; EXPLORER; TECHNIC; Honor Man; R-Man, President; Football, Captain; Baseball.

STEPHEN JAMES HOFFMAN
Tau Beta Pi; Blue Key; Sigma Nu, Treasurer; I.E.E.E., President; EXPLORER; Board of Publications; Student Council; Sophomore Class Vice President; Junior Class Vice President; Senior Class President; Honor Man; R-Man; Football; Class Honors, Fr., Soph.

GEORGE THOMAS HOLMES, III
Evansville, Indiana
Tau Beta Pi; Lambda Chi Alpha, Secretary; I.E.E.E.; Rose Rifles; Radio Club; Class Honors, Jr.

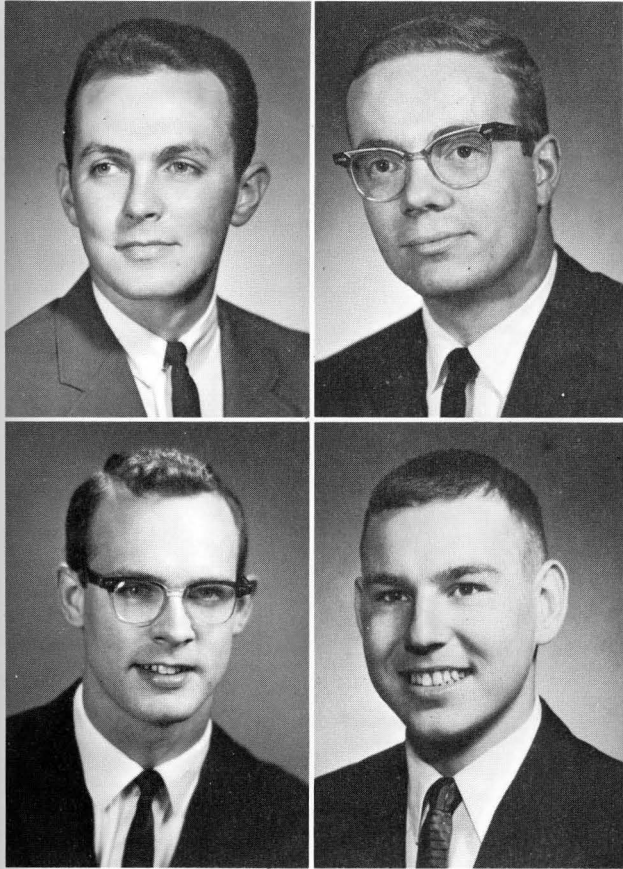
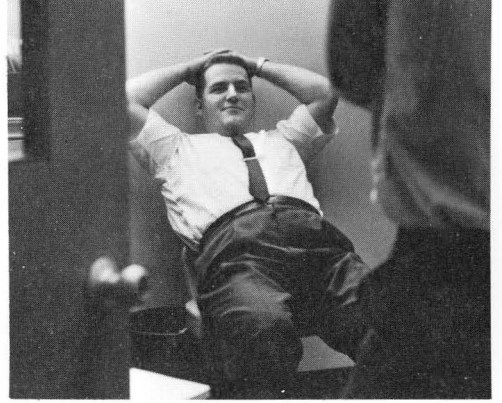
CHARLES B. HUPPERT
Indianapolis, Indiana
Alpha Tau Omega, Treasurer; I.E.E.E.; MODULUS, Photographic Editor; Glee Club; Camera Club, Vice President.



JOHN E. STEWART
Crawfordsville, Indiana

GEORGE I. WAGNER
Kokomo, Indiana
Blue Key; Alpha Tau Omega; S.A.M.E.; I.E.E.E.; MODULUS, Publicity Director; Student Council; Rose Rifles; Radio Club, President.

"For you, I can see the handwriting on the wall."



JAMES D. WATKINS

Nabb, Indiana

Tau Beta Pi; Lambda Chi Alpha, Treasurer; S.A.M.E., Vice President; I.E.E.E., Treasurer; Class Honors, Fr., Soph.

E. ALLEN WRIGHT

Casey, Indiana

Blue Key; Alpha Tau Omega, Treasurer; S.A.M.E.; I.E.E.E.; Campus Club, Social Chairman; Pep Band; Flying Club, President; Class Honors, Fr.

CHARLES S. YAGER

Indianapolis, Indiana

Alpha Tau Omega; S.A.M.E.; I.E.E.E.; Honor Man; R-Man; Football; Rose Rifles, President, Commander; Camera Club; Flying Club.

JOHN M. ZDENEK

Riverside, Illinois

Institute of Electrical and Electronic Engineers





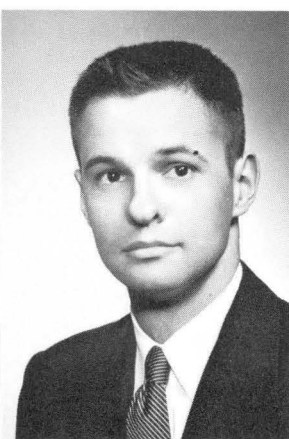
J. NELSON REEDS

Professor of Chemical Engineering and Head of Department; B.S., M.S., Ph.D., University of Iowa; Sigma Xi; Phi Lambda Upsilon; Tau Beta Pi; Alpha Tau Omega; Alpha Chi Sigma; A.I.Ch.E.; A.C.S.; A.S.E.E.

The Rose Chemical Engineering Department strives to prepare its students with a knowledge of the chemical processes used in industry. Many of the graduates enter industries dealing with petroleum, plastics, rubber, glass, photography, and paper.

The Chemical Engineering Department laboratory, in a far corner of the main building, is used to give students some idea of the practical problems that may be encountered in industry. A bachelor of science degree is awarded students who successfully complete the four-year curriculum. Upon graduation, the "Chem. E." student is fully prepared to go into industry, or to continue his education with graduate work at Rose, where he may receive a master's degree, or go to another institution.

Chemical Engineering



ANTHONY G. BLAKE

Associate Professor of Chemical Engineering; B.S., Rose Polytechnic Institute; M.S., Massachusetts Institute of Technology; Theta Xi; Alpha Chi Sigma; A.I.Ch.E.; A.S.E.E.

WARREN W. BOWDEN

Assistant Professor of Chemical Engineering; B.S., University of Maine; M.S., Rose Polytechnic Institute; Sigma Xi; Tau Beta Pi; A.I.Ch.E.; A.C.S.

ANANTHA K. S. RAMAN

Assistant Professor of Chemical Engineering; B.S., Indiana Institute of Science; M.S., Ph.D., Purdue University; Omega Chi Epsilon; Sigma Xi; A.I.Ch.E.; A.C.S.I.I.Ch.C.; A.S.E.E.

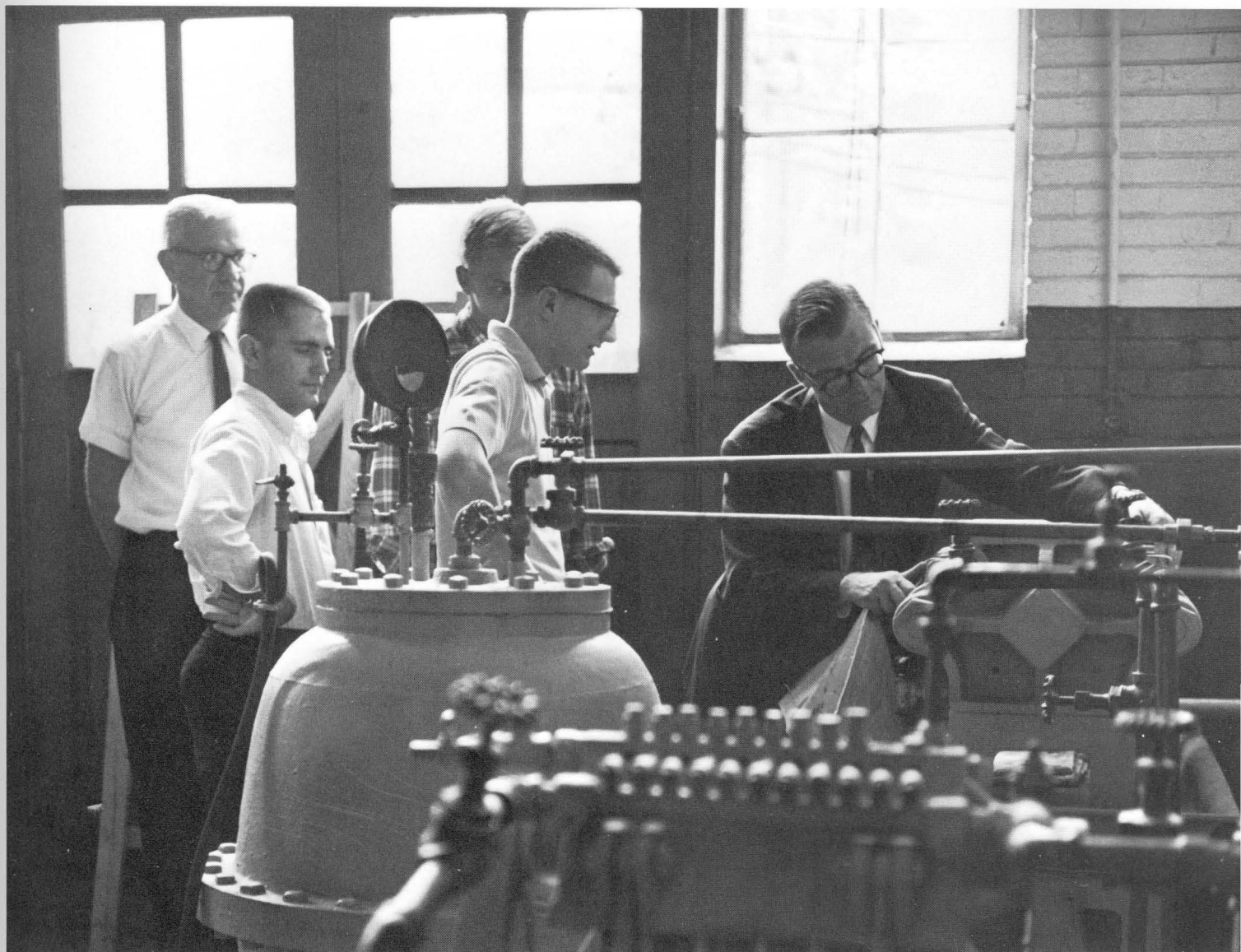


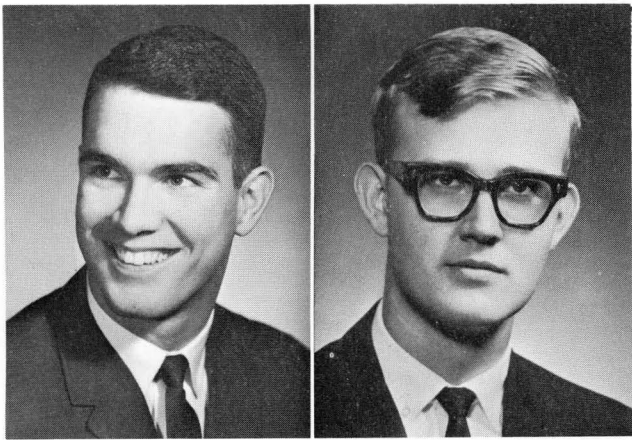
JERRY E. BOWER
Nabb, Indiana
A.C.S.; A.I.Ch.E.

TOM FLOYD FITE
Olney, Illinois
Sigma Nu, Rush Chairman; A.I.Ch.E.; Glee Club.



"Notice, if you turn this valve . . ."





LARRY EUGENE HALL

North Salem, Indiana

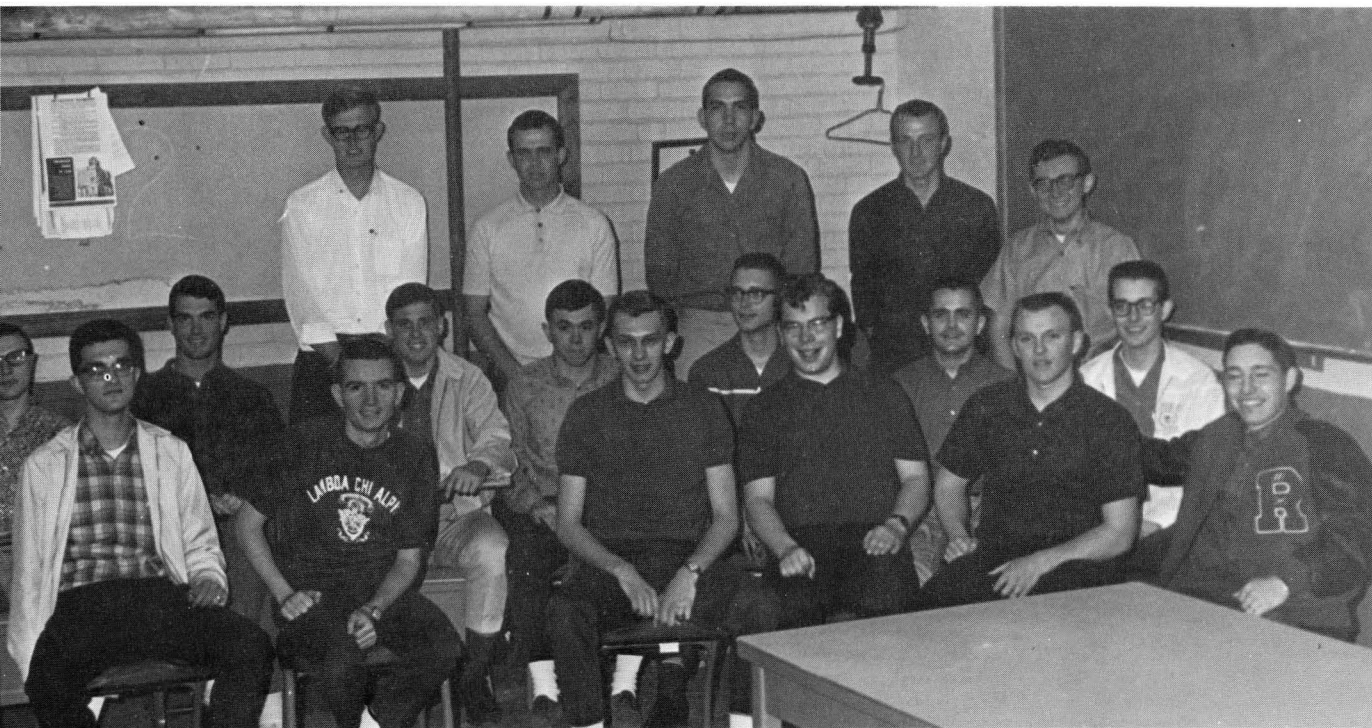
Sigma Nu; S.A.M.E.; A.I.Ch.E.

RICHARD H. JENSEN

Indianapolis, Indiana

Alpha Tau Omega, Social Chairman; S.A.M.E.; A.I.Ch.E.;
MODULUS, Layout Editor; Class Honors, Fr.

The American Institute of Chemical Engineers.



CURTIS R. JONES

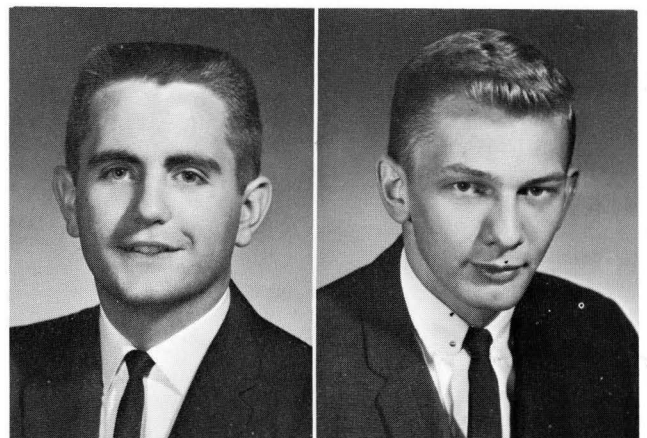
Anderson, Indiana

Tau Beta Pi, President; Lambda Chi Alpha; A.C.S.; A.I.Ch.E.;
TECHNIC; Freshman Class Secretary-Treasurer; Glee Club; Class
Honors, Fr., Jr.

WILLIAM LEE KOVACS

LaGrange, Illinois

Lambda Chi Alpha; A.I.Ch.E., Secretary-Treasurer; MODULUS;
Student Council; Honor Man; R-Man; Football; Track; Class
Honors, Jr.

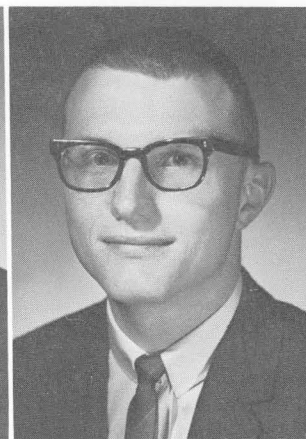
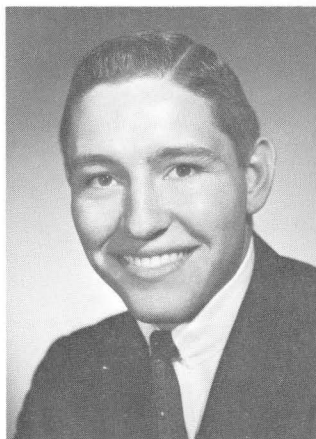


DENNIS LEE LAWSON

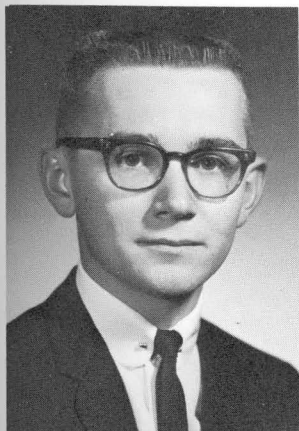
Princeton, Indiana
S.A.M.E.; A.I.Ch.E.; Honor Man; R-Man; Baseball, Captain; Flying Club; Class Honors, Soph., Jr.

ALFRED JAMES RATZ

Indianapolis, Indiana
Sigma Nu; A.C.S., Secretary; A.I.Ch.E.; R-Man; Track; Class Honors, Jr.



Lt. Lawson gets "pinned."

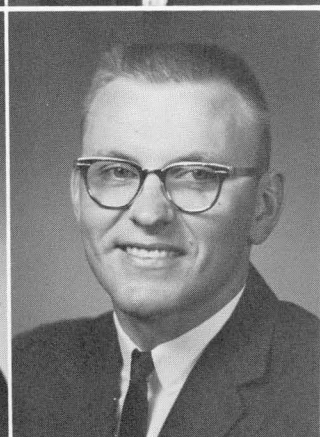


EVERETT LINDLEY RUDDICK

Seymour, Indiana
Tau Beta Pi; Alpha Tau Omega, Secretary; A.C.S., Treasurer; A.I.Ch.E.; EXPLORER; Business Manager; TECHNIC; Student Council, Financial Secretary; Sophomore Class Secretary-Treasurer; Junior Class President; Senior Class Vice-President; Honor Man; Class Honor, Fr., Jr.

JOHN DAVID SAUSER

Centerville, Indiana
Sigma Nu; A.C.S.; A.I.Ch.E.

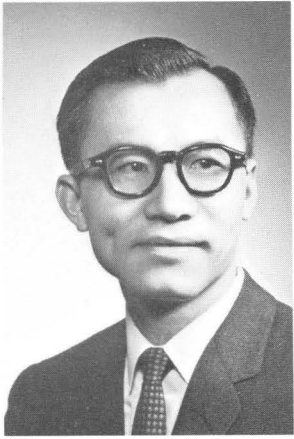


JAMES J. WEBBER

Clinton, Indiana
A.C.S.; S.A.M.E.; A.I.Ch.E.; Rifle Club.

JOE D. WISE

Jasonville, Indiana
Sigma Nu; A.I.Ch.E., Vice-President; R-Man; Football; Track.



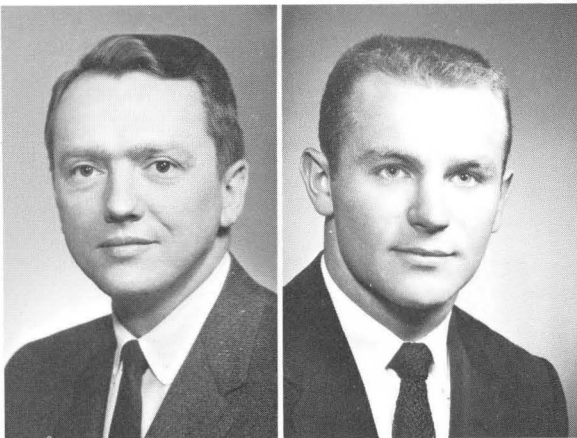
RICHARD H.F. PAO

Professor of Civil Engineering and Head of Department; B.S., St. John's University; M.S., Ph.D., University of Illinois; Sigma Xi; Tau Beta Pi; Pi Mu Epsilon; A.S.C.E.; A.S.E.E.; A.A.U.P.

Civil Engineering offers many varied fields of endeavor. Some of them are structures, transportation, hydraulics, and sanitary engineering.

The first three years at Rose in Civil Engineering are devoted to studying mathematics, physical and engineering sciences. The final year offers several areas of study of special interest to the individual student. Upon graduation, the student receives a bachelor of science degree and a chance to help improve the natural environments of man.

Civil Engineering



ROBERT MILTON ARTHUR

Associate Professor of Bioengineering; B.A., Ripon College; B.S., Northwestern University; M.S., Harvard University; Ph.D., State University of Iowa; Lambda Chi Alpha; A.S.E.E.; A.A.A.S.; A.S.M.; A.E.B.S.; W.P.C.F.; A.W.W.A.

CARL THOMAS HERAKOVICH

Assistant Professor of Civil Engineering; B.S., Rose Polytechnic Institute; M.S., Kansas University; Blue Key; Lambda Chi Alpha; A.S.C.E.; A.S.E.E.

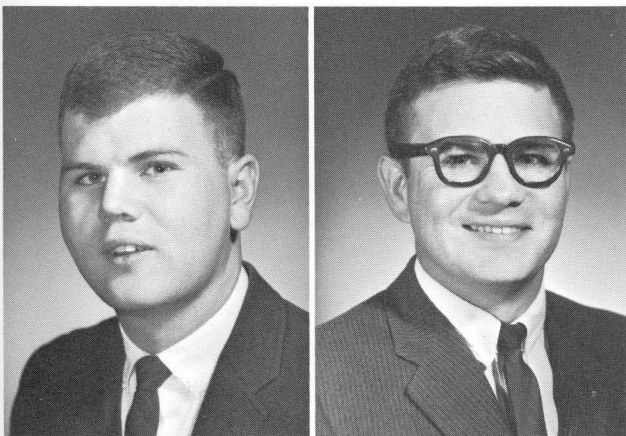


CECIL THOMAS LOBO

Instructor; B.S., University of Gujarat; M.S., University of Notre Dame; Sigma Xi; A.S.C.E.

DENNIS HENRY SAPP

Instructor; B.S., M.S., University of Illinois; A.S.C.E.; A.C.I.; A.S.E.E.



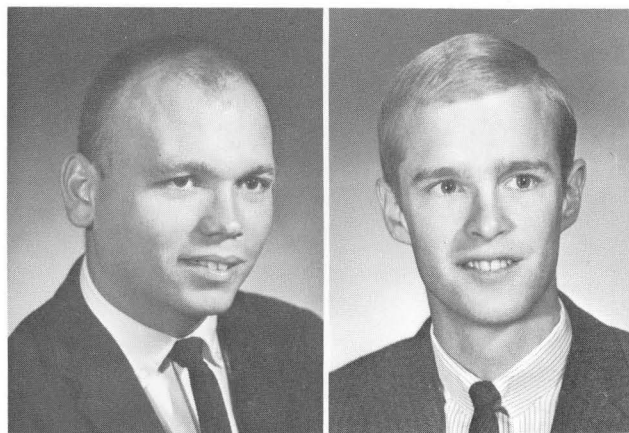
THOMAS T. BILIA

Pittsfield, Massachusetts

JACK COX

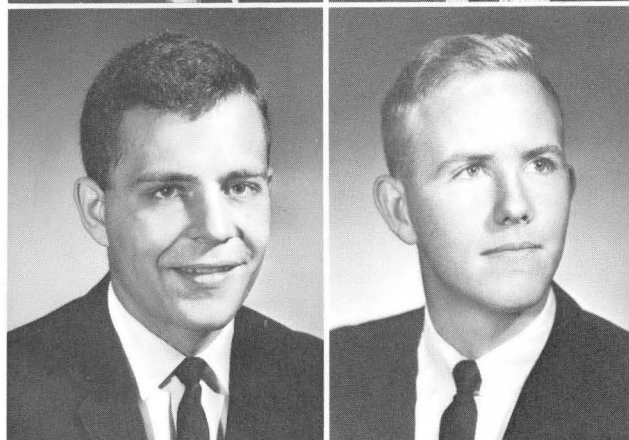
Carlisle, Indiana

Blue Key, President; Alpha Tau Omega, Vice President, Treasurer; A.S.C.E.; MODULUS, Associate Editor; Managing Editor; Board of Publications; I.F.C.; Student Government Committee; Honor Man; Flying Club.



TOM DAVIDSON
Orland Park, Illinois
Sigma Nu; A.S.C.E.; TECHNIC

ROBERT I. DICE, JR.
Memphis, Tennessee
Lambda Chi Alpha; A.S.C.E.; MODULUS.



EDWARD K. DOWNEY
Rosiclare, Illinois
Blue Key, Vice President; Sigma Nu, President, Secretary;
A.S.C.E., Secretary-Treasurer; S.A.M.E., Treasurer; Student Coun-
cil; I.F.C.; Honor Man; R-Man; Basketball, Captain.

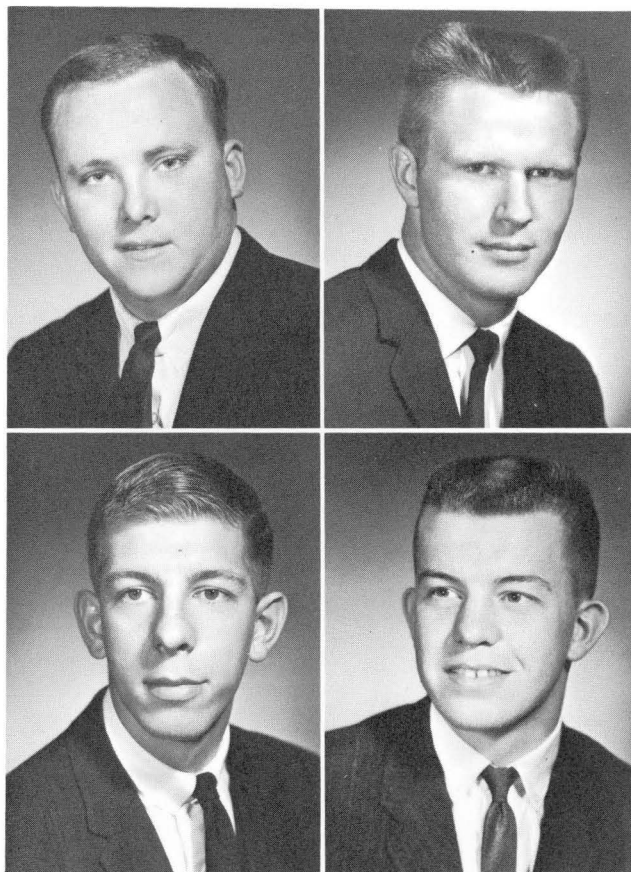
MICHAEL E. JOHNSON
Sigma Nu, Social Chairman; A.S.C.E.; S.A.M.E.; R-Man; Football;
Basketball; Track; Golf; Pep Band.

DAVID B. HOLOBAUGH
Tipp City, Ohio

DAVID T. LARUE
Louisville, Kentucky

ROBERT W. McCOIGE
Culver, Indiana
Alpha Tau Omega, Secretary, House Manager; A.S.C.E.; MOD-
ULUS; TECHNIC; R-Man; Basketball; Baseball.

JAMES L. McCOSKEY
Terre Haute, Indiana
Theta Xi, President; A.S.C.E.; S.A.M.E.; I.F.C.



PETER A. PETROWSKY
Terre Haute, Indiana

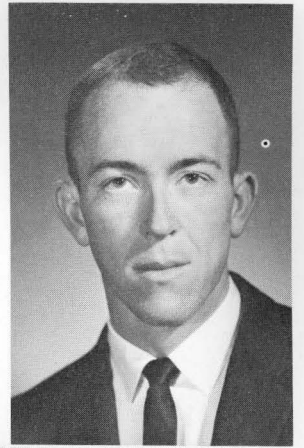
JAMES W. SCHULZ
Indianapolis, Indiana
Blue Key; Lambda Chi Alpha, Pledge Trainer; A.S.C.E.; Basket-
ball; Tennis.



DAVID GRAYSON STAGGS

Terre Haute, Indiana

A.S.C.E.; R-Man; Football; Track; Rose Rifles.



CHARLES T. TERRY

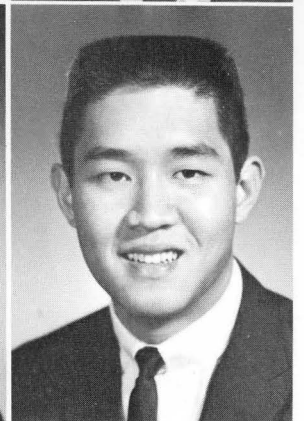
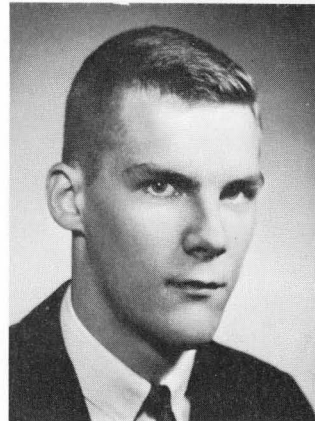
Kewanee, Illinois

Lambda Chi Alpha.

CURTIS Q. H. YEE

Honolulu, Hawaii

Theta Xi, Secretary, Pledge Trainer; A.S.C.E.; MODULUS; Track; Rose Rifles.



The American Society of Civil Engineers.





THEODORE P. PALMER

Professor of Mathematics and Head of Department; B.A., Amherst College; A.M., Harvard University; Theta Delta Chi; A.S.E.E.; M.A.A.; A.M.A.; A.S.I.; I.C.M.

The Mathematics Department teaches basic calculus and differential equations to all students in order to give them a good background in mathematics and enable them to comprehend advanced work in their own fields.

For those interested students the Mathematics Department offers one of the finest applied mathematics degrees available in the United States plus a varied range of electives designed for students majoring in other departments.

The departmental staff was changed this year with the addition of Dr. Edwards and Mr. Stakem. Both of these men are teaching freshman math.

Mathematics Department

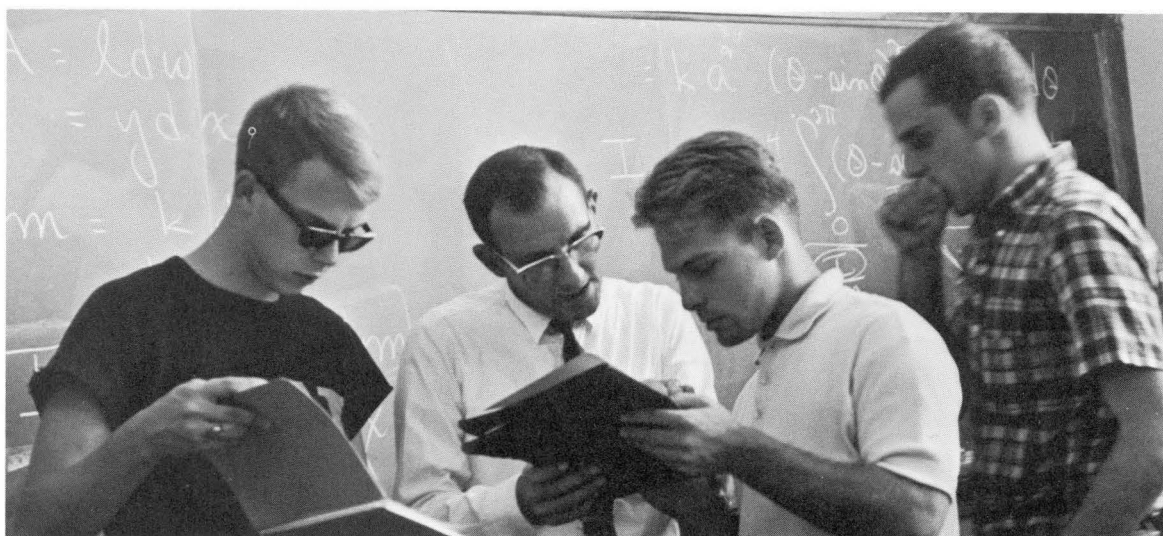


ALFRED R. SCHMIDT

Professor of Mathematics; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Blue Key; Sigma Xi; Lambda Chi Alpha; M.A.A.; A.A.A.S.

P. D. EDWARDS

Professor of Mathematics; B.S., Oakland City College; M.A., Ph.D., Indiana University; Phi Beta Kappa; Sigma Xi; Sigma Zeta; Lambda Chi Alpha; M.A.A.; A.A.A.S.

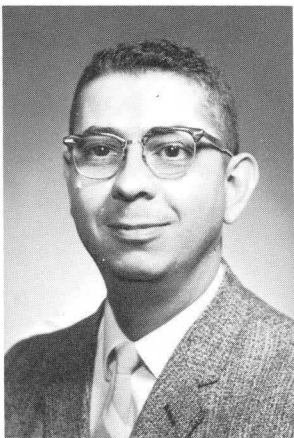
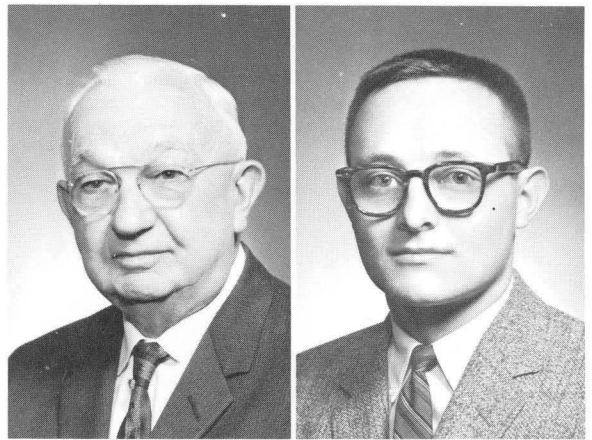


WILSON L. MISER

Professor of Mathematics; B.A., University of Arkansas; M.A., Yale University; Ph.D., University of Chicago; Sigma Xi; M.A.A.; A.S.E.E., A.M.S.; A.A.A.S.

JOSEPH G. MOSER

Assistant Professor of Mathematics; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Sigma Xi; M.A.A.; A.M.S.; A.A.U.P.



JAMES MARTIN STAKEM

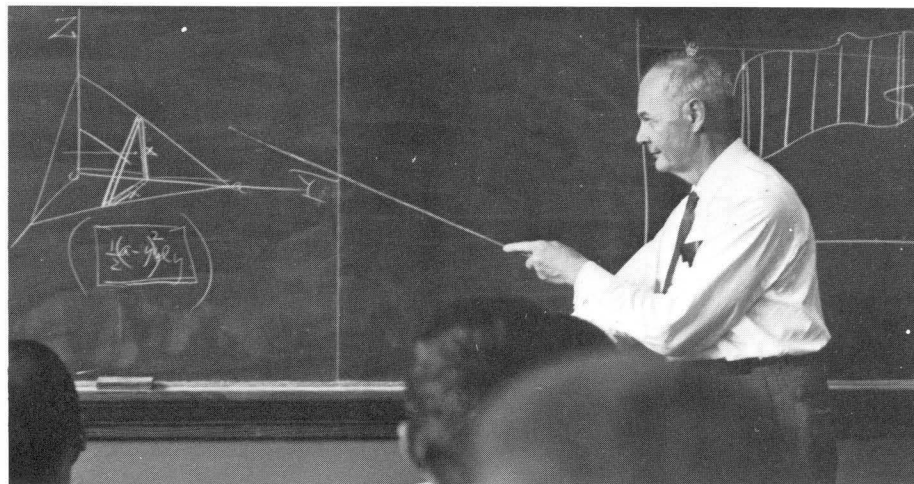
(Picture not available)

Assistant Professor of Mathematics; B.S., M.S., University of Arkansas; M.A.A.; A.A.U.P.

WARREN JESSE WAYNE

Instructor; B.A., Butler University; M.S., Purdue University; Kappa Mu Epsilon; Tau Kappa Epsilon; M.A.A.; A.C.M.

"Now, if we project x . . ."



Any questions?

WILLIAM B. ALLARD

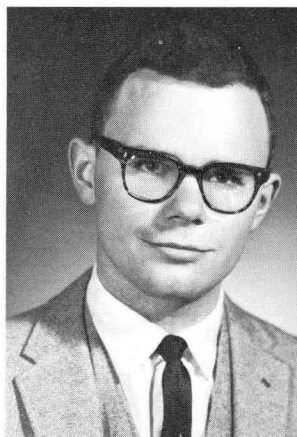
Pickford, Michigan

Blue Key; Alpha Tau Omega, Rush Chairman, House Manager; A.C.S.; S.A.M.E., Secretary; M.A.A.; MODULUS, Editor-in-Chief, Managing Editor, Photographic Editor; EXPLORER, Associate Editor, Business Manager; TECHNIC; Board of Publications; Honor Man; Rose Rifles, President; Astronomy Club; Camera Club, Secretary.

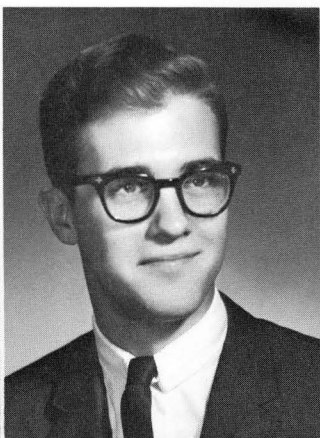
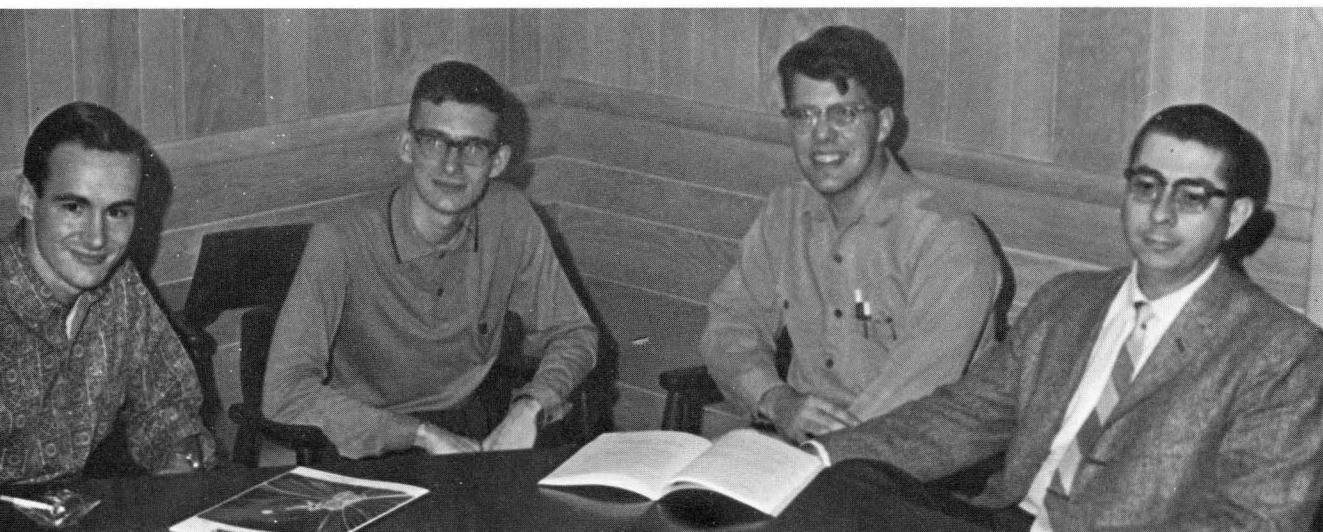
LARRY R. ARNOLD

Terre Haute, Indiana

Alpha Tau Omega; Class Honors, Fr., Soph., Jr.



The Math Club.



JOHN R. BLANCHARD

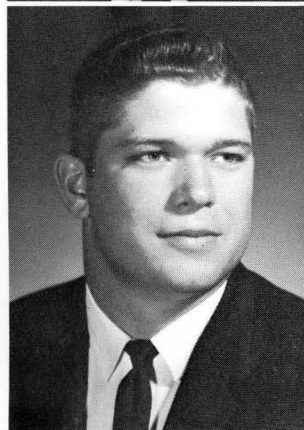
Griffith, Indiana

Theta Xi; S.A.M.E.; M.A.A.; R-Man; Cross Country.

BRONIS R. deSUPINSKI

Parkersburg, West Virginia

Alpha Tau Omega; A.C.S.; MODULUS, Business Manager, Advertising Manager; TECHNIC, Circulation Manager; Honor Man; Class Honors, Fr., Soph., Jr.



PAUL A. GRAFE

Terre Haute, Indiana

MARS JOHN GRALIA, II

Indianapolis, Indiana

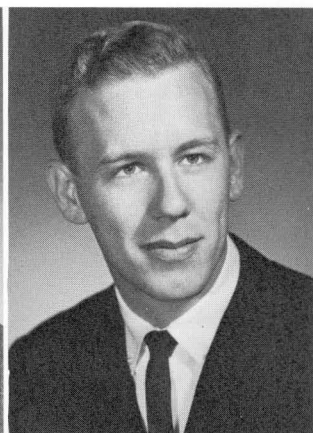
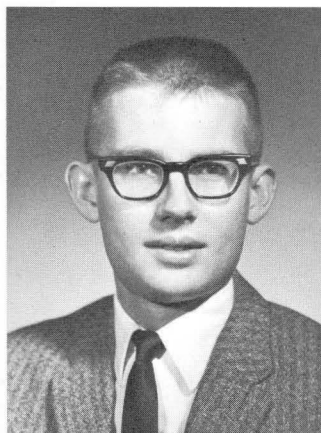
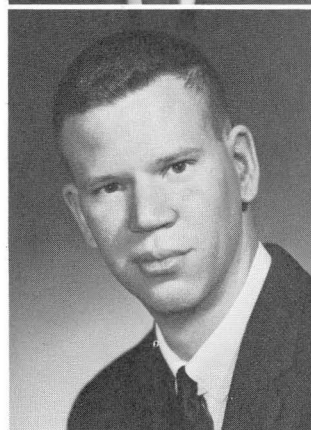
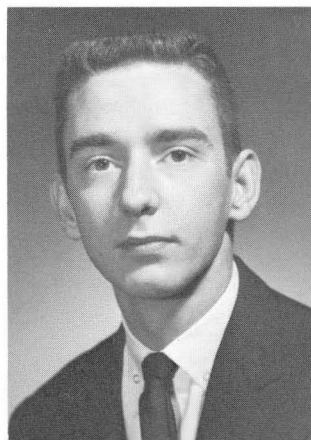
Lambda Chi Alpha; A.I.P., Treasurer; M.A.A.; Glee Club; Class Honors, Soph.

DAVID E. LOVELACE
Olney, Illinois

DENNIS WAYNE MOORE
Mattoon, Illinois
S.A.M.E.; Rose Rifles; Camera Club.

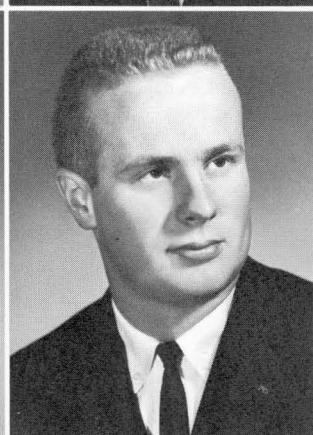
DAVID E. MORGAN
Terre Haute, Indiana
Tau Beta Pi; Blue Key; Alpha Tau Omega; A.I.P.; M.A.A.;
MODULUS, Advertising Manager; TECHNIC, Contributing Editor,
Advertising Manager; EXPLORER; Honor Man; Glee Club; Pep
Band; Class Honors, Fr., Soph., Jr.

JOHN ALLEN ROHR, MATH., E.E.
Hinsdale, Illinois
Tau Beta Pi, Vice President; Blue Key, Publicity Director; Lambda
Chi Alpha; S.A.M.E.; I.E.E.E.; EXPLORER, Layout Editor; TECH-
NIC; Student Council; Honor Man; Pep Band, Director; Class
Honors, Fr., Soph.



ROBERT E. STERRETT, JR.
Attica, Indiana
M.A.A.

JOHN R. STOCKTON
Terre Haute, Indiana
Blue Key; Lambda Chi Alpha, President, Social Chairman; I.F.C.;
Honor Man; R-Man; Basketball; Class Honors, Fr.



WILLIAM K. TEEGUARDEN
Indianapolis, Indiana
Tau Beta Pi; Theta Xi; R-Man; Football; Baseball; Class Honors,
Fr., Soph., Jr.

RAYMOND ALLAN WARD
Ramsey, New Jersey
Alpha Tau Omega; S.A.M.E.; MODULUS; Student Council; Golf;
Rose Rifles; Bridge Club.



KENNETH H. WICKWIRE
St. Louis, Missouri
A.I.P.; M.A.A.; EXPLORER, Humor and Allied Arts; Glee Club;
Class Honors, Jr.



ORAN M. KNUDSEN

Professor of Chemistry and Head of Department; B.S., University of Wisconsin; Ph.D., New York University; Sigma Xi; Phi Lambda Upsilon; Alpha Chi Sigma; Lambda Chi Alpha; A.C.S.; A.S.E.E.; A.A.A.S.

The Chemistry Department offers a bachelor of science degree in chemistry, which enables a student to have a wide choice of fields. For example, the fields of analytical, physical, organic and inorganic chemistry are offered.

A new addition to the regular curriculum is the advent of chemistry seminars. Outside speakers are invited to speak on various technical topics.

Dr. Harris and Mr. Pellum have been added to the faculty of the Chemistry Department.

This year the student affiliates of the American Chemical Society sponsored jointly with students of Indiana State College, the regional conclave of the A.C.S. The conclave was held in Terre Haute at the Terre Haute house.

Chemistry Department



ELWIN E. HARRIS

Visiting Professor of Chemistry; B.S., Hamline University; M.S., Ph.D., University of Minnesota; Sigma Xi; A.C.S.; F.P.R.S.



FRANK A. GUTHRIE

Associate Professor of Chemistry; B.A., Hanover College; M.S., Purdue University; Ph.D., Indiana University; Phi Lambda Upsilon; Sigma Xi; Delta Epsilon; Phi Gamma Delta; A.C.S.; A.A.U.P.; A.A.A.S.

Dr. Guthrie explains some equipment.



RICHARD W. NEITHAMER

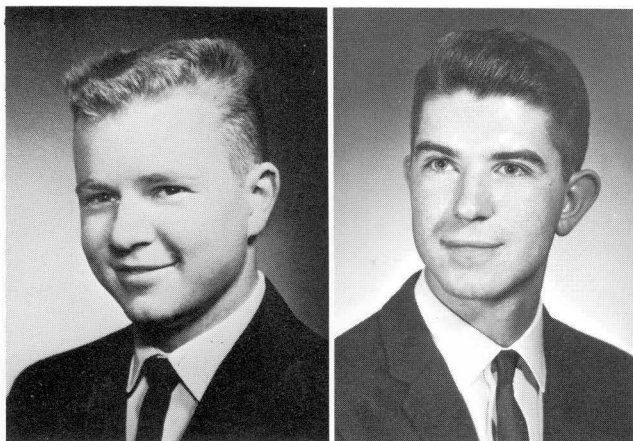
Assistant Professor of Chemistry; B.S., Allegheny College; Ph.D., Indiana University; Phi Lambda Upsilon; Sigma Xi; Phi Kappa Psi; A.C.S.; A.A.A.S.; A.A.U.P.

JULIAN DALE

Research Professor of Chemistry; B.A., M.A., Ph.D., Princeton University.



Only one more to go!



ROBERT NEAL COLTHARP

Seelyville, Indiana
Theta Xi; A.C.S., President; S.A.M.E. Class Honors, Jr.

LARRY GENE MORGAN

Findlay, Ohio
Blue Key; A.C.S.; S.A.M.E.; Campus Club, President; Class Honors, Jr.

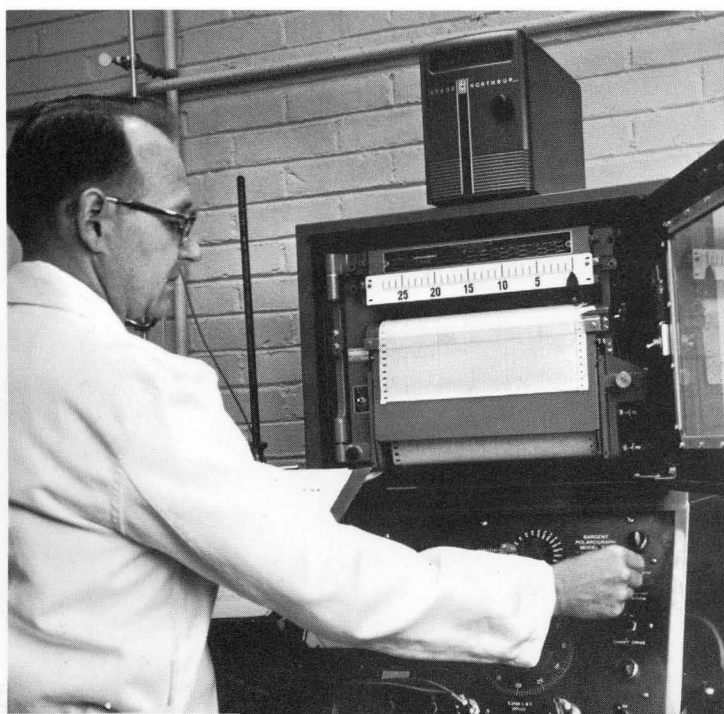


Say, Doc. About this titration . . .

It's working! It's working!



Let's see, this is trial number 78,268.





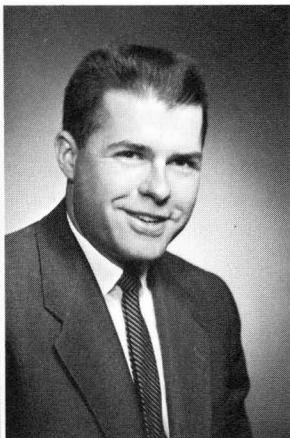
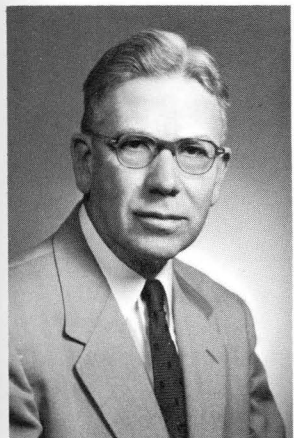
WILKISON W. MEEKS

Professor of Physics and Head of Department; B.A., Maryville College; M.S., Ph.D., Northwestern University; Sigma Xi; A.P.S.; A.S.A.

The course of study in Physics is designed to provide a strong basic program in the various fields of classical physics, and to achieve a better than average understanding of the introductory principles of modern physics. Primarily, the course is intended to serve as preparation for successful graduate study. For those who are inclined to seek a career in industry immediately after graduation, the possibility of choosing a substantial number of electives in the engineering departments offers a distinct advantage. The broad background thus obtained is generally considered quite valuable in industry, where it can be well utilized in the applied laboratories and in the advanced design and development sections.

Graduate work leading to the degree of Master of Science is offered in physics. A major portion of the program is devoted to mathematics, physical science and the engineering sciences. A thesis based on an approved research project is a requirement for the degree.

Physics Department



CHRISTOPHER LEROY MASON

Associate Professor of Physics; B.S., M.A., University of Wisconsin; Phi Beta Kappa; A.P.S.; A.A.P.T.; A.A.A.S.

JOHN C. HEGARTY

Assistant Professor of Physics; A.B., Boston College; M.S., University of Maryland; A.A.P.T.

Just a little more.





RALPH A. LLEWELLYN

Assistant Professor of Physics; B.S., Rose Polytechnic Institute; Ph.D., Purdue University; Tau Beta Pi; Blue Key; Sigma Pi Sigma; Sigma Xi; Alpha Tau Omega; A.P.S.; O.S.A.; A.A.P.T.; A.A.A.S.

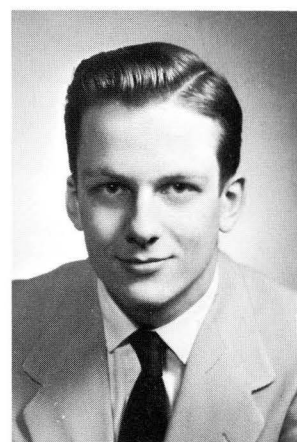
LAURENCE L. LOGUE

Instructor; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Blue Key; Lambda Chi Alpha; A.A.P.T.



PAUL R. MASON

Instructor; B.S., Rose Polytechnic Institute; M.S., Indiana University; Tau Beta Pi; A.P.S.



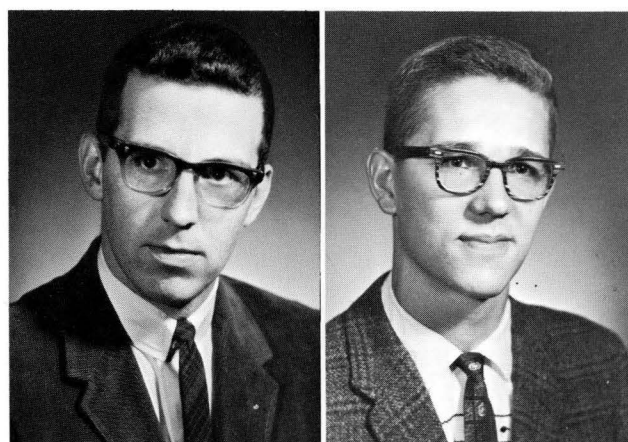
C. L. in Freshman Physics.

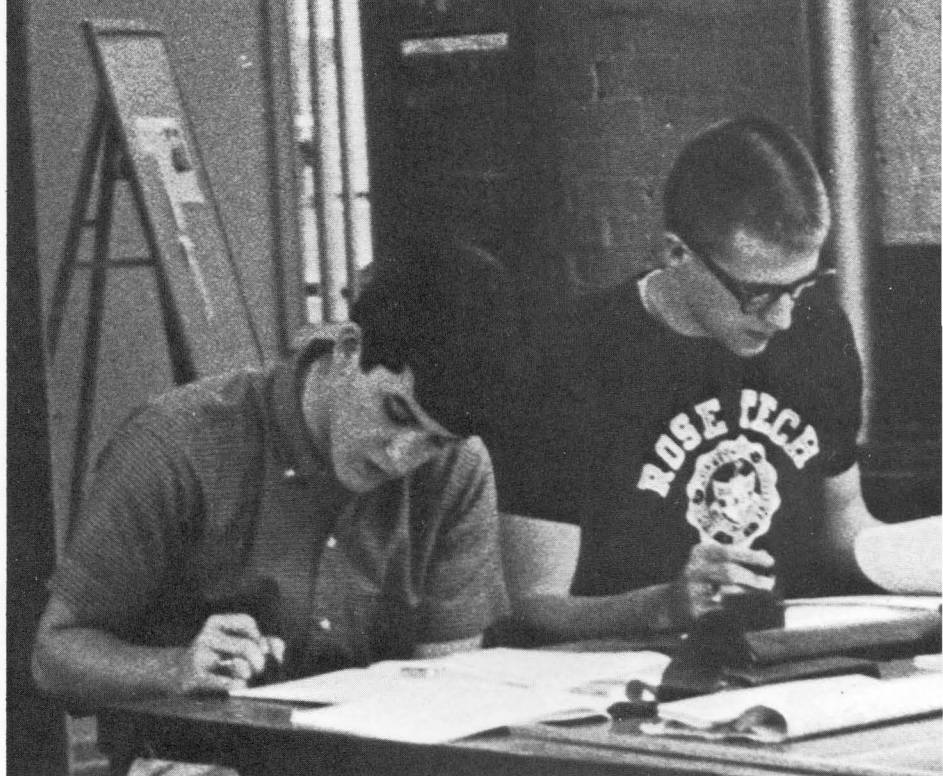
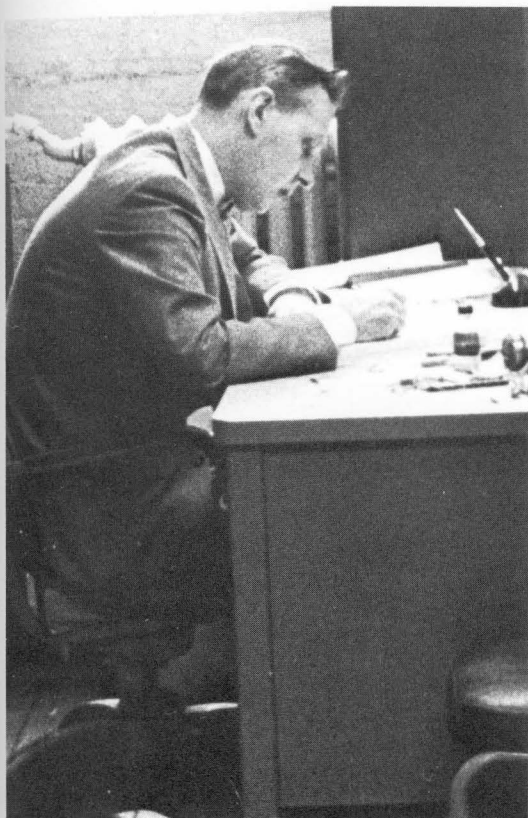
WILFORD P. STRATTEN

Creston, Indiana
Blue Key; Lambda Chi Alpha; TECHNIC.

GORDON H. WARSTLER

Inglewood, California
A.I.P.; Class Honors, Jr.





Oh, hell. Let's fudge it.

Doc Meeks hard at work.

The American Institute of Physics.





GORDON K. HAIST

Professor of English and Head of Department; B.A., North Central College; M.A., Northwestern University; I.G.S.; I.S.G.S.; A.S.E.E.

The public images of the engineer and the scientist generally picture them as dissociated from the rest of mankind. Nothing could be further from the truth. Everything the engineer or scientist does will affect the rest of humanity. To be truly effective, he must maintain contact with the world and be aware of the needs and problems of the ordinary man. A humanities course in college cannot wholly teach an understanding of the needs and desires of the masses or the communication to these masses in understandable language. These arts are gained only through direct experience. Rather, the purpose of the Humanities in an engineering and scientific school such as Rose is to give the student an awareness of the problems of understanding and communication and to give him the foundations needed to acquire these skills when he leaves school.

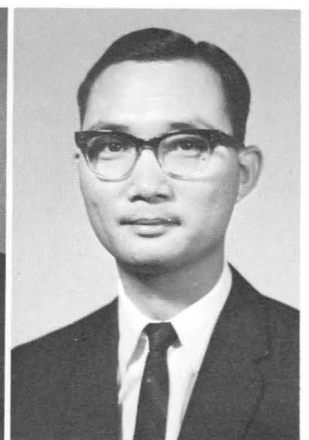
Humanities Department

JOHN G. BIEL

Adjunct Professor of Humanities and Social Sciences; B.S., Indiana University; LL.B., Indiana University; Alpha Kappa Psi; Gamma Eta Gamma; Blue Key.

JOHN TSUNG-SHUN YING

Assistant Professor of Economics; B.A., National Taiwan University; M.A., Ph.D., University of Minnesota; A.E.A.; A.F.E.A.

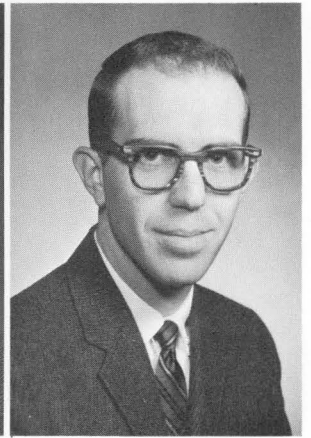


A joint effort at lunch by the Humanities and Math Departments.



C. LEROY BAKER
Instructor; B.A., Harvard College.

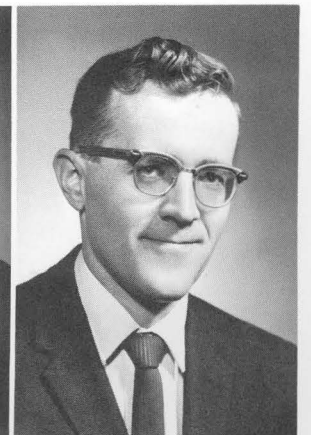
E. DUANE ELBERT
Instructor; B.S., Illinois State Normal University; M.S., Indiana University; Pi Gamma Mu; Phi Alpha Theta; Lambda Chi Alpha; C.Z.A.R.



Mr. Baker teaches some English to the German students.

WILLIAM O. MAKELY
Instructor; B.S., University of Wisconsin; M.A., University of Chicago.

PETER F. H. PRIEST
Instructor; B.A., University of Illinois; A.A.T.S.E.E.L.





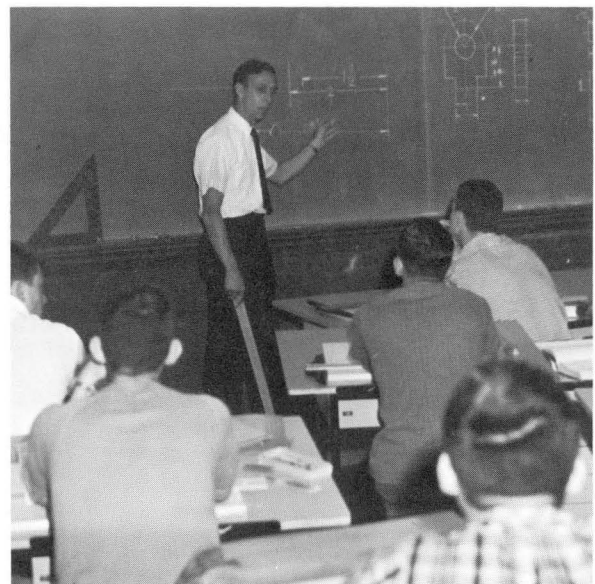
NORWOOD E. BAUGHMAN

Associate Professor of Engineering Graphics and Head of Department; B.S., Michigan State University; M.S., Purdue University; A.S.E.E.

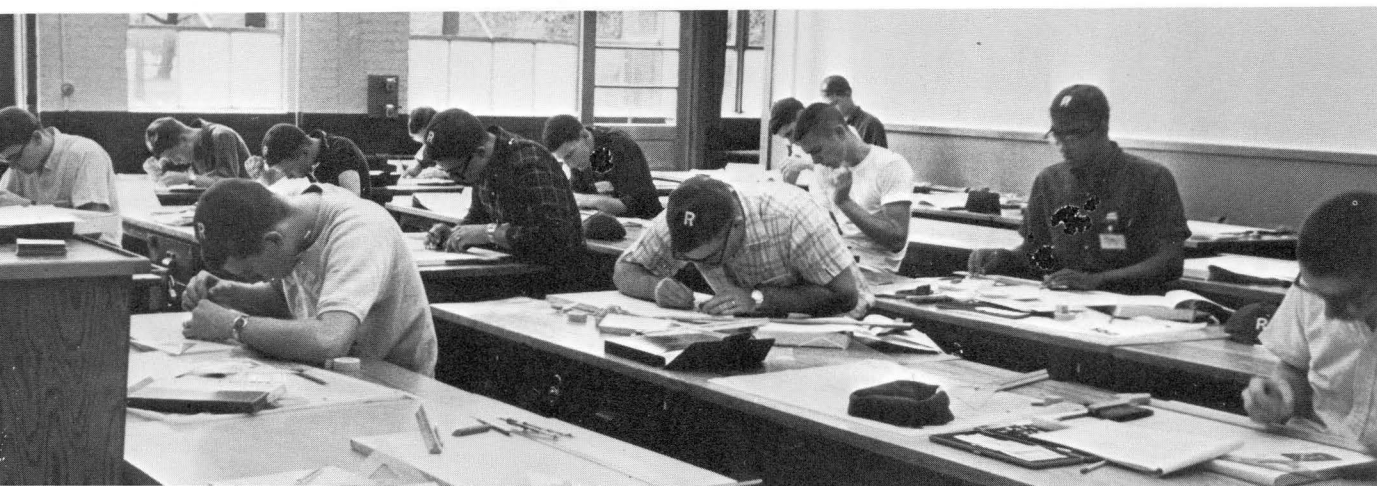
One of the most direct and expressive of all the languages of the earth is that of the draftsman. It has often been said that "A picture is worth a thousand words." Nowhere is this better illustrated than in the sciences and engineering. Scientists and engineers communicate ideas by mathematics and drawings to such an extent that these are often called the languages of science and engineering, respectively. Thus, to be scientifically literate, it is necessary to be familiar with graphical representation. This, then, is the purpose of the graphics department at Rose: to educate the student in a language—not to produce professional draftsmen. Graphics, like a language, requires of the student a good deal of time and effort, and, like a language, pays the student back in unexpected dividends.

Engineering Graphics Department

Prof. Baughman explains some fine points to the freshmen.



The first project.



Perhaps the best known department at Rose is the Military Science Department. As an agent of the U.S. ARMY, the primary purpose of the Rose contingent is to produce officers for the army. Secondary purposes include indoctrinating the students in the art of warfare, preparing the students for giving and executing orders, and giving the students a respect for the role of the army in U.S. history. The ROTC program is, for those planning to make the army their career, an excellent starting point. For these students, training is provided all four years, of which the last two are with pay, leading to a commission in the army as a second lieutenant. For the rest of the student body, the M.S. department provides the basics of leadership, training, and knowledge of human behavior which will be most beneficial in later life. ROTC, for those who take it seriously, is an excellent course.



JOHN H. DOUGHERTY

Professor of Military Science and Head of Department; B.S., The Citadel; S.A.M.E.; Lieutenant Colonel, U.S. Army.

Military Department



DALE K. RANDELS

Assistant Professor of Military Science; B.S., Missouri School of Mines; Chi Epsilon; Phi Kappa Phi; Tau Beta Pi; A.S.C.E.; S.A.M.E.; Captain, U.S. Army.

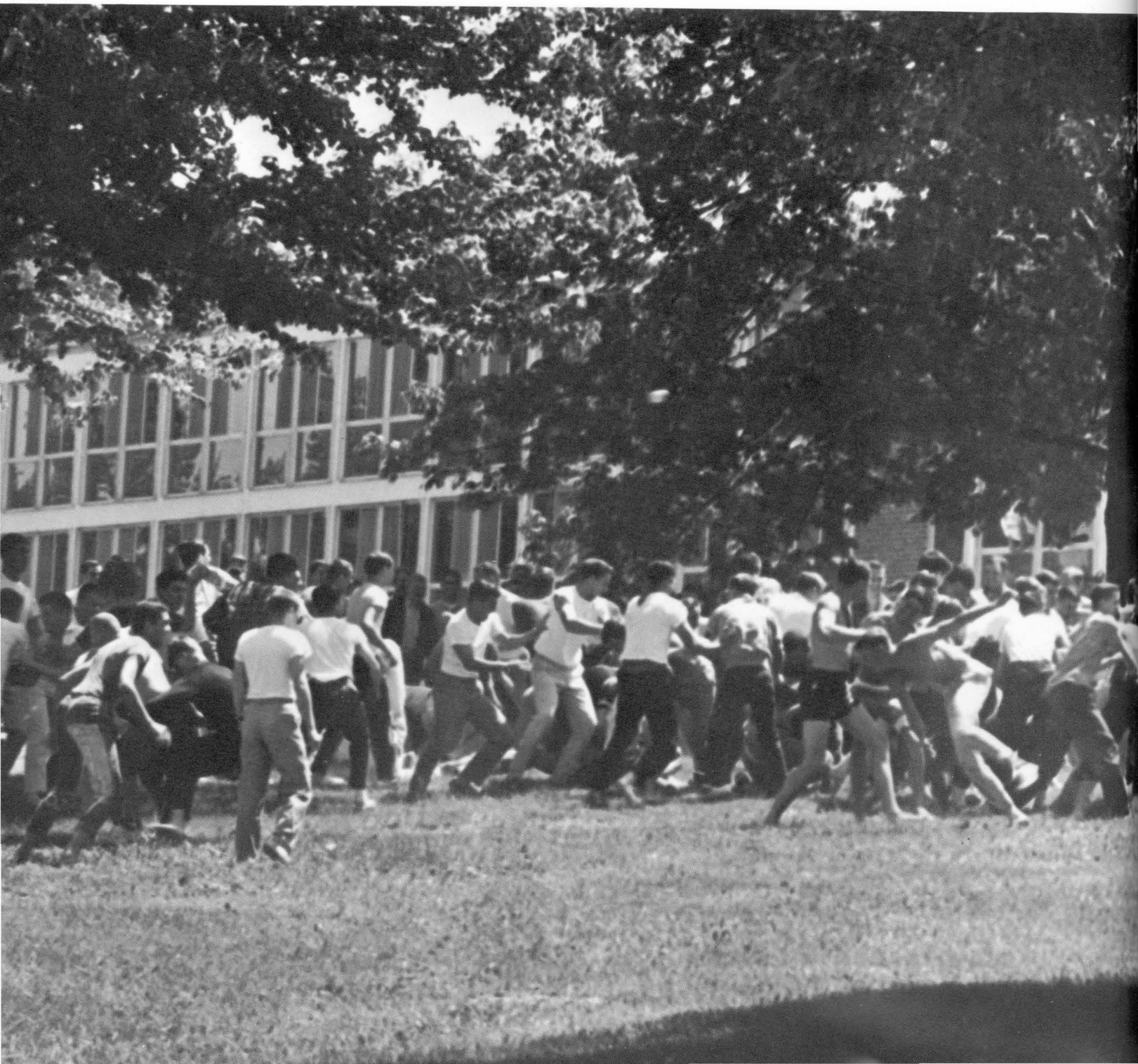
EVERETT P. DIENER

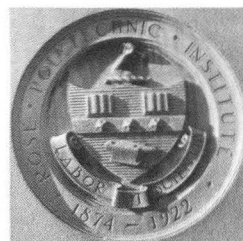
Assistant Professor of Military Science; B.S., University of Washington; M.S., Stanford University; S.A.M.E.; Captain, U.S. Army.

Stack, ARMS.



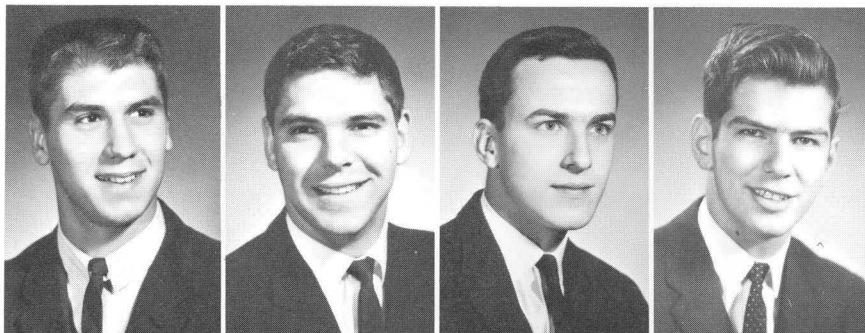
UNDERCLASSMEN





Underclassmen wait three long years to fall heir to the school as soon as the Seniors graduate. Yet through these years of trials and failures they tread, their minds on the final goal—the Senior year and Graduation.

Juniors



James S. Abel
Robert C. Allen, III
Howard G. Alm
Michael I. Atkins



Charles H. Baker
Robert C. Blahut
John W. Boyer
Jack R. Braun

James A. Bullard
Gus F. Carroll
Ronald L. Chapman
Robert N. Clark, Jr.



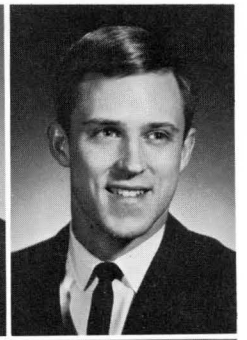
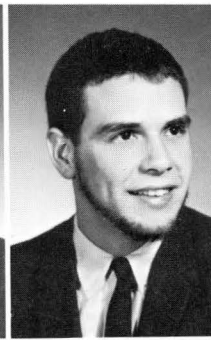
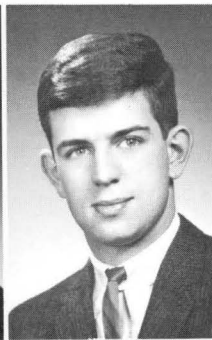
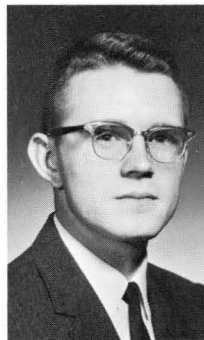
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Jerry L. Copenhefer



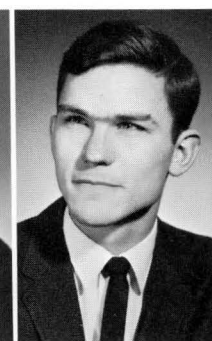
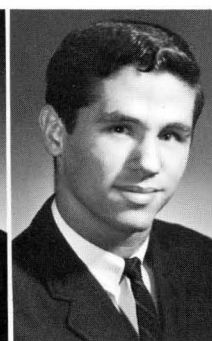
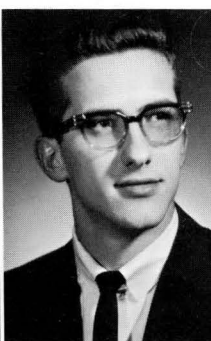
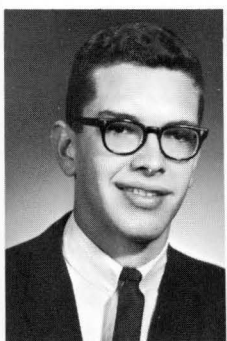
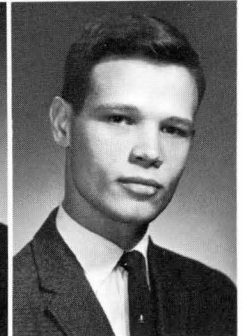
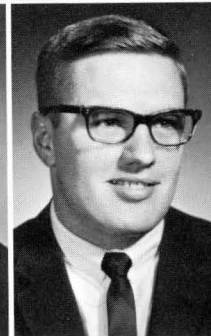
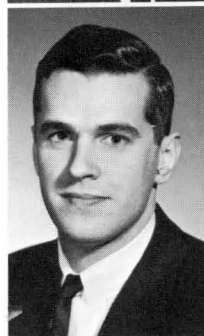


Cord day?

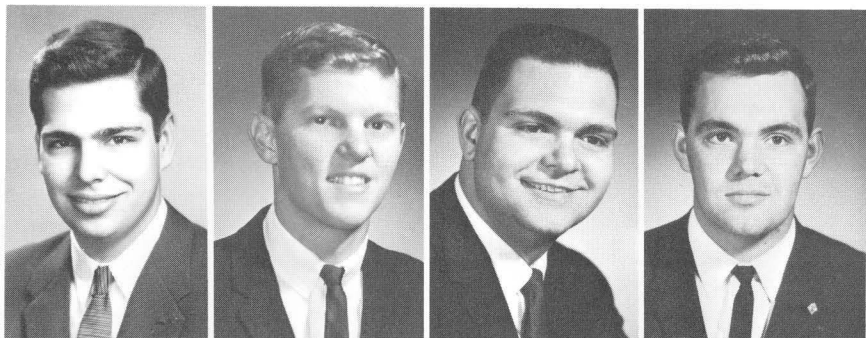
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John E. Diefenbaugh
James A. Doolittle



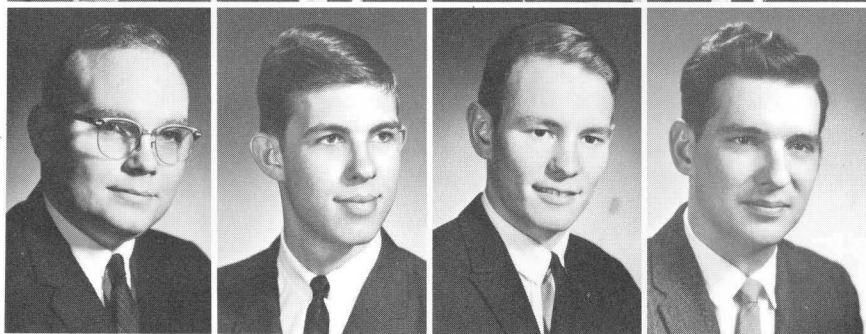
B. William Dudley, Jr.
James E. Dunn
Donald L. Endsley
Thomas A. Evans



William E. Everson
Terry L. Fenimore
Michael A. Francis
John R. Frischkorn



Ray V. Frischkorn
David G. Gerstenkorn
Ronald G. Gesell
Elmer A. Guerri

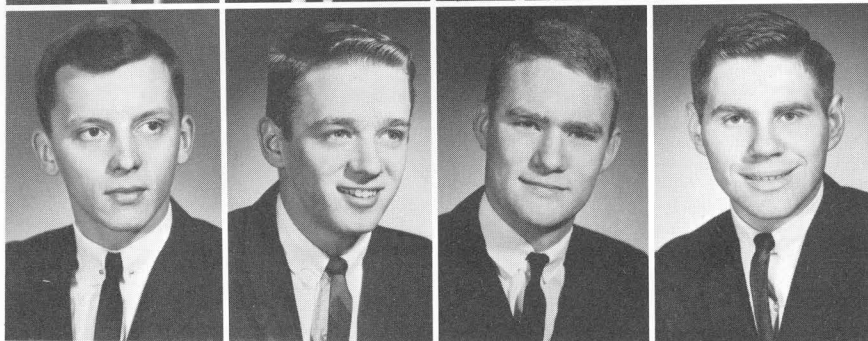


Robert W. Haddix
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Philip H. Halt
Lowell G. Hardwick

Craig R. Heindel
Stanley W. Henson
Willard R. Holland, Jr.
Ernest E. Holt

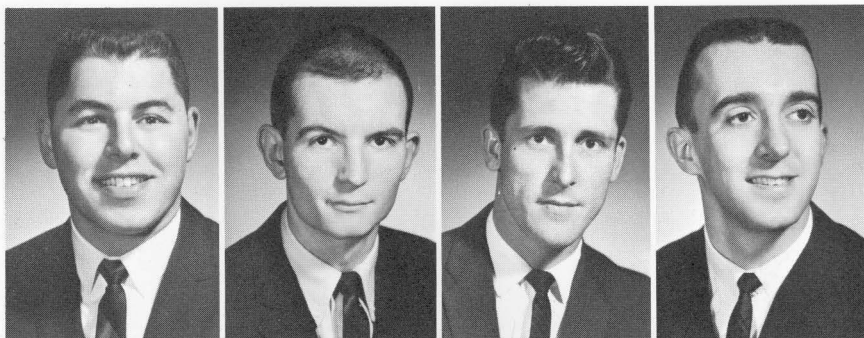


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Jerome L. Hoover
James D. Howenstine
Robert E. Huffman

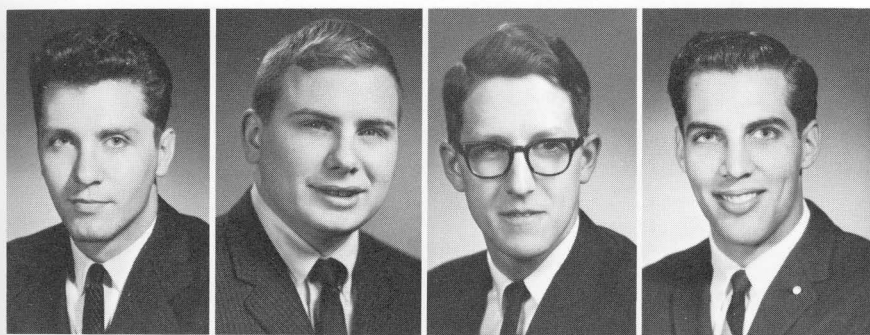
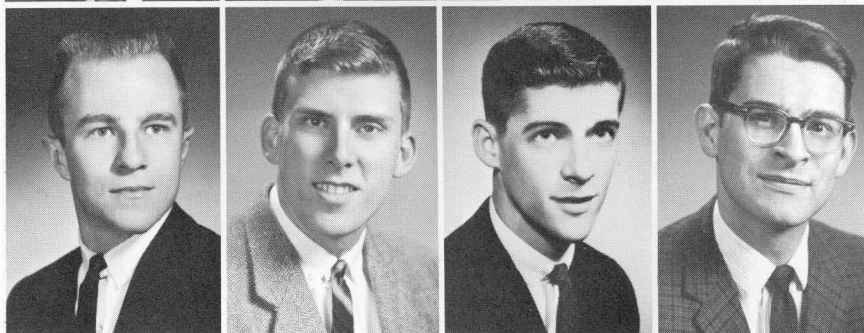


David L. Hussung
Lawrence H. Jackson, Jr.
Stephen W. James
Evan H. Johnson

Robert G. Kevorkian
 Richard T. King
 Jacobus Kooiman
 John A. Kuhn



William N. Kuschel
 Paul F. Lilienkamp
 Roger D. Long
 Barry A. Lucht

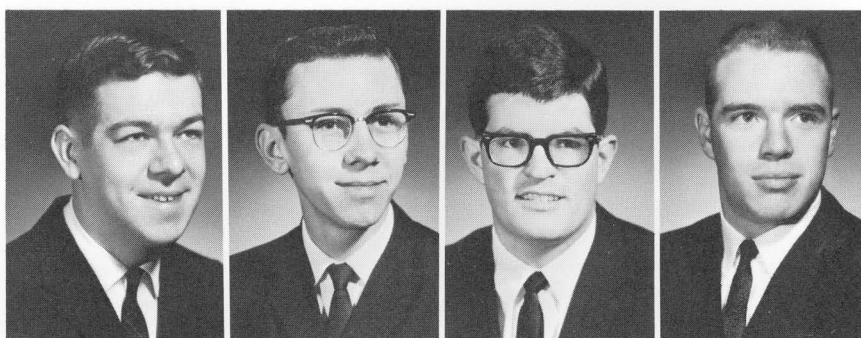


Jerry L. Massa
 Alfred J. Mayle
 David W. McReaken
 Roy J. Mueller



David H. Nancrede
 William T. O'Rear
 James R. Overdorf
 Curtis Pease

Robert C. Priddy
 Benedict R. Radecki
 Richard M. Reeves
 John R. Righthouse





James T. Sargent
Norman G. Schuld
Paul J. Schweri
Gary W. Shillinger

Allen R. Stanley
Ronald E. Sullivan
Andrew D. Szilagyi, Jr.
Ronald F. Turaski, Jr.

James M. Wadsworth
Grady R. Wallace, Jr.
Stephen P. Watson



Glendon G. Williams
John C. Willman
Thomas A. Yoshida

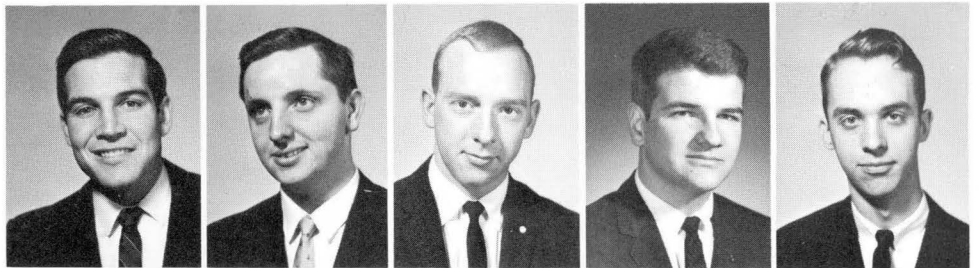
Juniors not shown

David G. Cameron, Michael E. Christeson, Harold
M. Coon, Edward W. Erker, Warren L. Foy, Jr.,
James W. Francis, Warren C. Gaskill, Micha Gazit,
Arthur W. Griffith, James J. Kuzmanivich, Michael

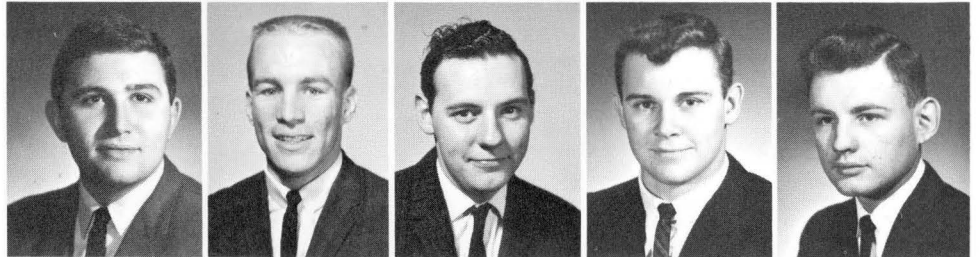
G. Lubecky, Bahman Mahmoodi, Winton E. Matthews,
Jr., Frederick N. McKee, Donald J. McNally, Stephen
J. Rozgony, Jr., Michael L. Vorkapich.

Sophomores

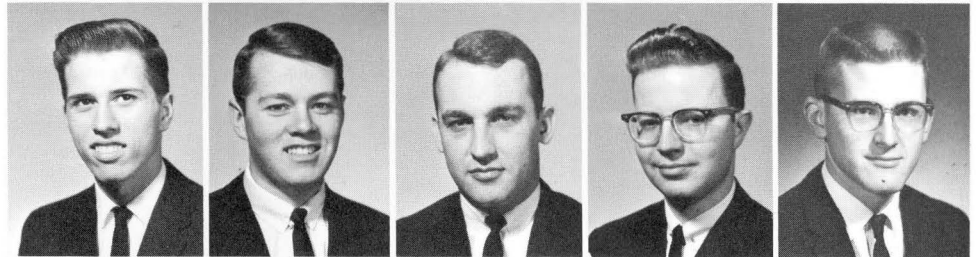
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William S. Ataras
Ned S. Badertscher
Robert H. Barnett
Jeffrey A. Barton



Elmer L. Beard
Lawrence V. Beattys
Walter E. Benefield
William M. Bess
Richard P. Blakely



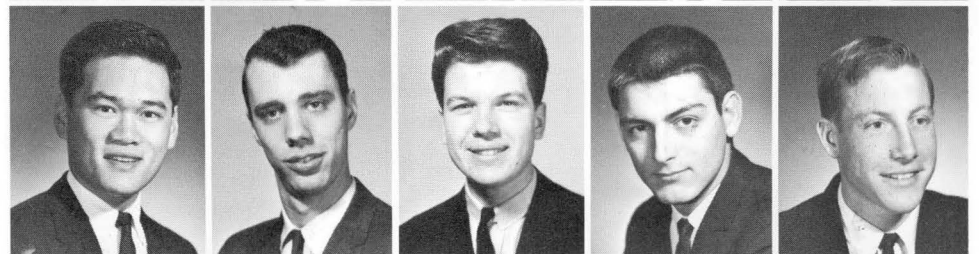
Thomas C. Blickhahn
James R. Bohler
Gilbert M. Bosworth
Thomas M. Bowman
Nikky L. Bradley



Jeffrey F. Brugos
Byron G. Buck
Phillip E. Carter
Paul T. Chen
Steven P. Chitwood



Chester W. Choy-Hee
Gregory H. Colburn
Steven P. Collier
Rello L. Christea Jr.
Steven Daugherty



Thomas Daugherty
James H. Decker
John R. Delbaue
William R. Detering
Patrick M. Dowdy





James L. Eddleman
Don H. Elliot
Robert E. Evans
Richard G. Foltz
Gordon A. Francis

Gary L. Funk
Dwight S. Garbe
Daniel J. Goodwin
William R. Goodwin
Thomas H. Griffith

Allyn E. Hasse
Charles B. Hague II
Larry D. Halstead
Ronald L. Haun
Stephen R. Hill

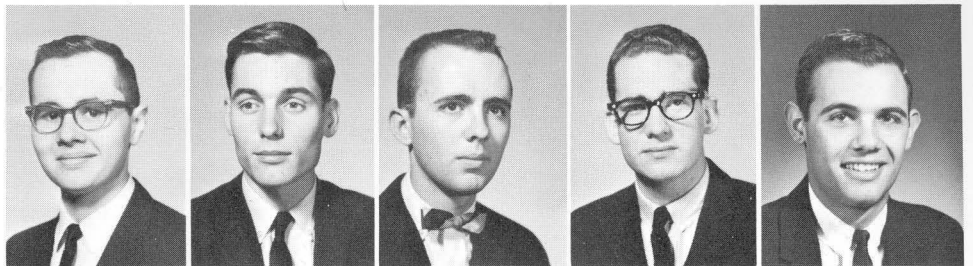
Charles L. Holland
John P. Howlett
James T. Hunt
Dallas G. Hutsler
Richard W. Johansen

Robert J. Keeler
James W. Kerber
John L. Klausman
Charles F. Kuester
Jeffrey I. Lackey

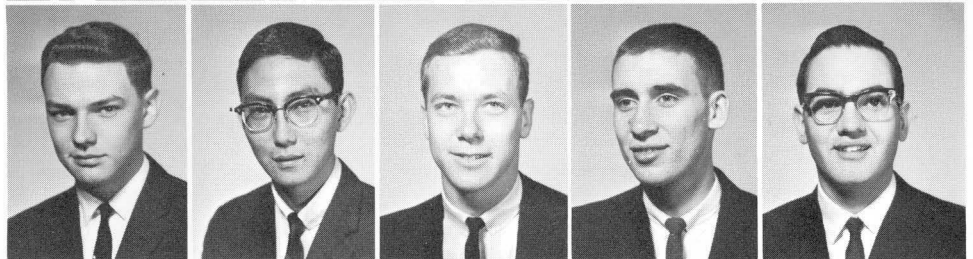
James W. Lane, Jr.
William J. Lanke
James G. Larsen
Danny W. Lenz
David J. Leonard

William R. Lewis
Donald E. Lundgren
John F. Lynn
Jack K. Marshall, Jr.
Neil M. Matsumoto

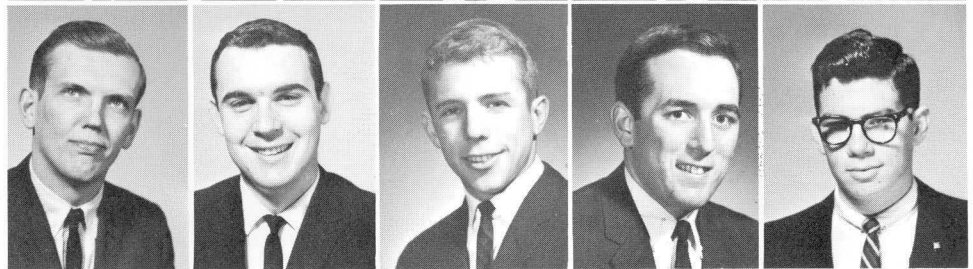
Darrell L. Millner
James B. Morehouse
Lee R. Morrow, Jr.
James W. Moyer
John R. Norris



Edward J. Nowacki, Jr.
Wilfred S. Otaguro
Arthur V. Pack, Jr.
Gordon J. Phelps
Michael G. Prather



John M. Puschaver
Gary A. Ransford
Michael C. Redman
Joseph S. Rein
Stephen W. Reiss

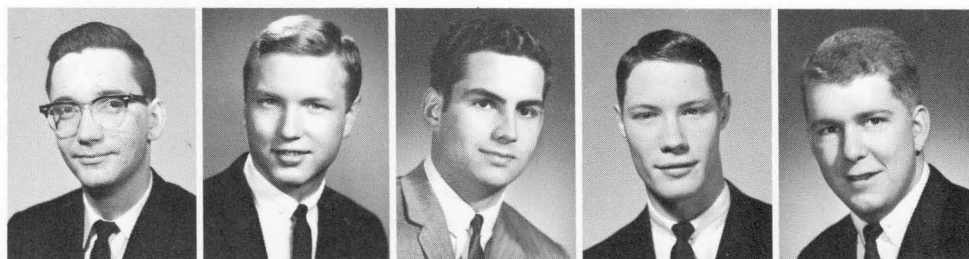


"One hat; one tie; one jacket, hbt; two . . ."

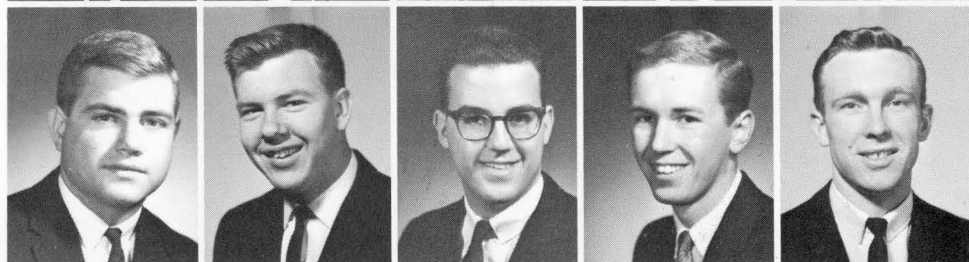




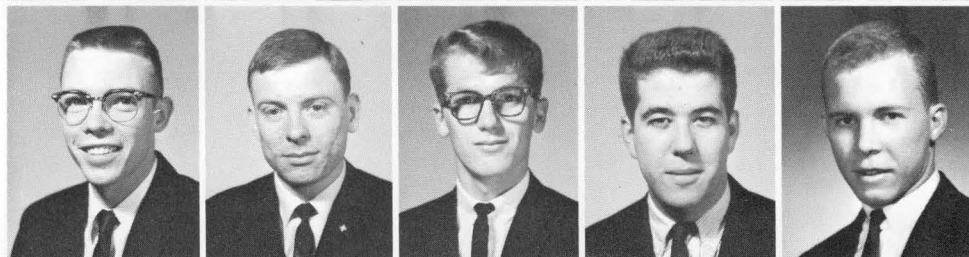
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 Virgil L. Roberts
 David L. Robinson
 Rex D. Robinson
 William F. Roemler



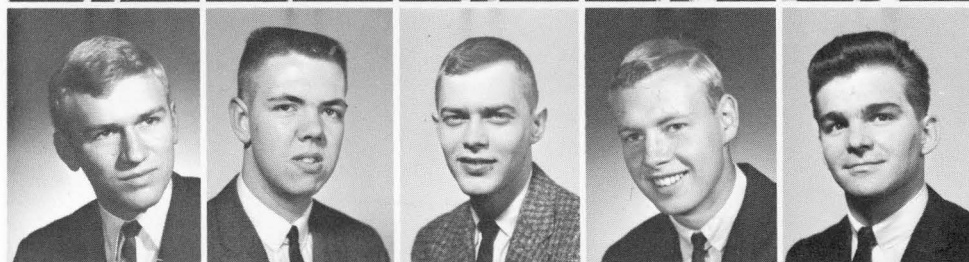
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 Charles A. Roteck
 David R. Saad
 Gregory J. Samoluk
 Robert K. Sandberg



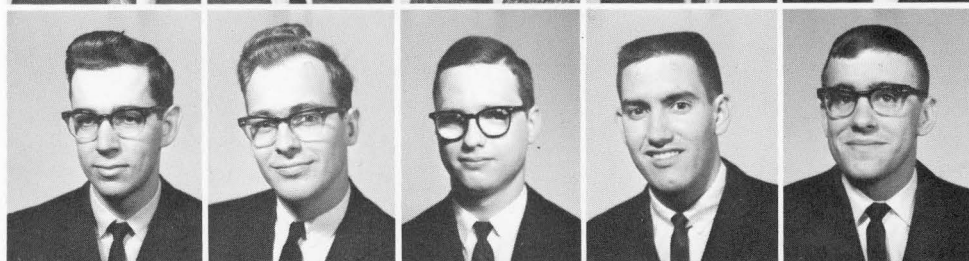
Donald F. Schultz
 Terry L. Schultz
 Larry R. Schuman
 William J. Siebel
 Quinton A. Siemer



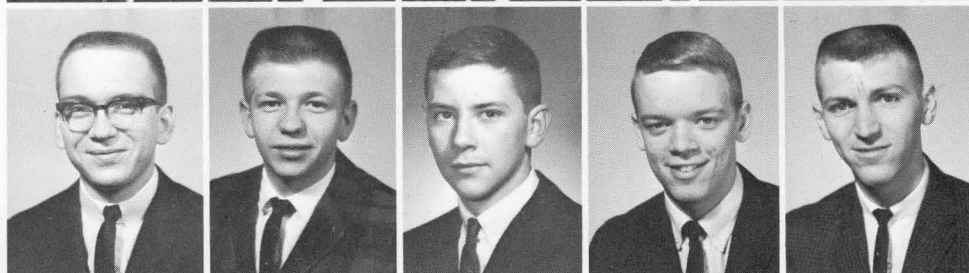
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 James C. Skeel
 David A. Skevington
 Scott A. Skjordahl
 John W. Slack, Jr.



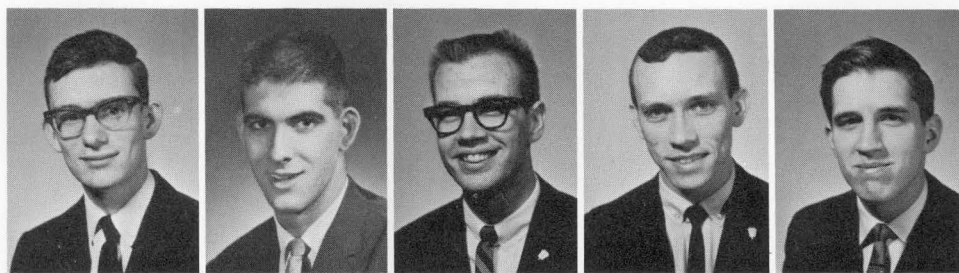
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 David L. South
 Michael A. Spellman
 Thomas R. Sprouse
 Robert D. Stanton



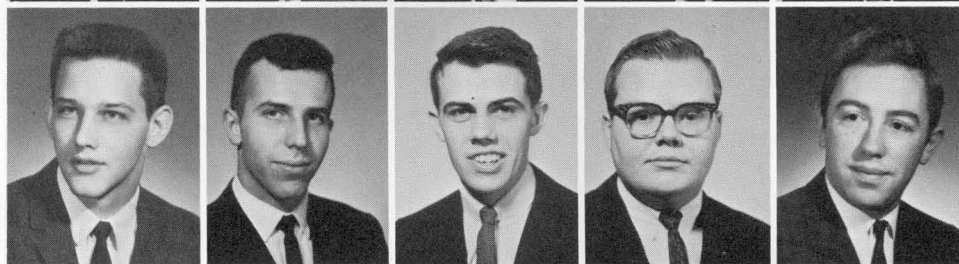
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 Thomas W. Takacs
 Peter G. Taylor
 Terence L. Taylor
 Jerry R. Thomas



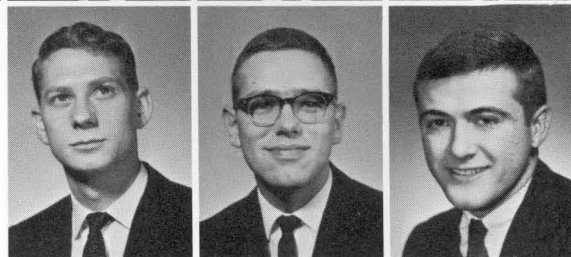
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 Joseph B. Tynan
 James A. Underwood
 Gary L. Van Deman
 Charles R. Walker



Robert E. Wattleworth
 Alan H. Welton
 Thomas M. Wilhoite
 George M. Williams
 Stephen J. Windler



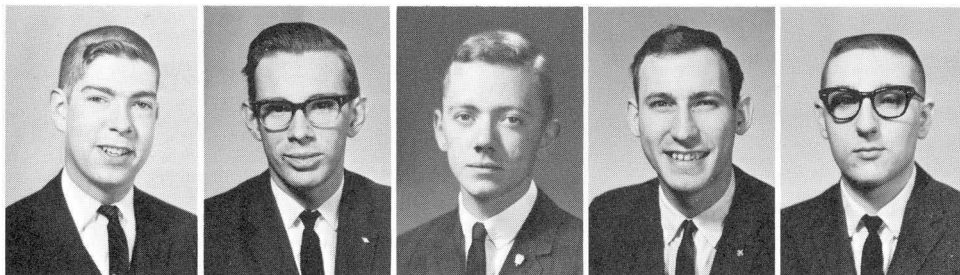
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 Paul L. Wycoff
 Mark E. Zaenglein



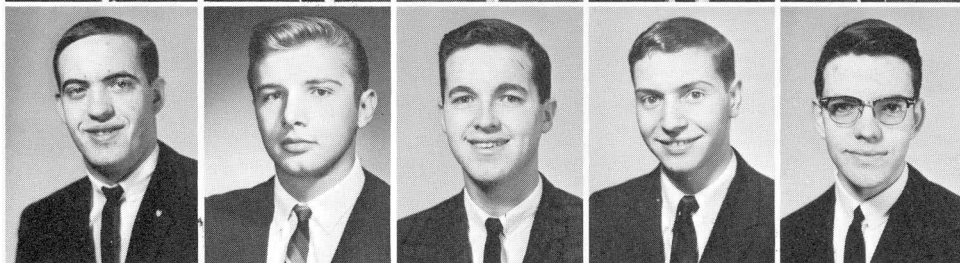
Do I like apples?



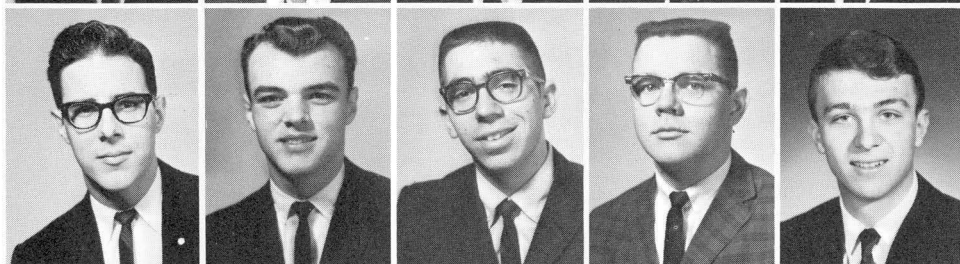
Freshmen



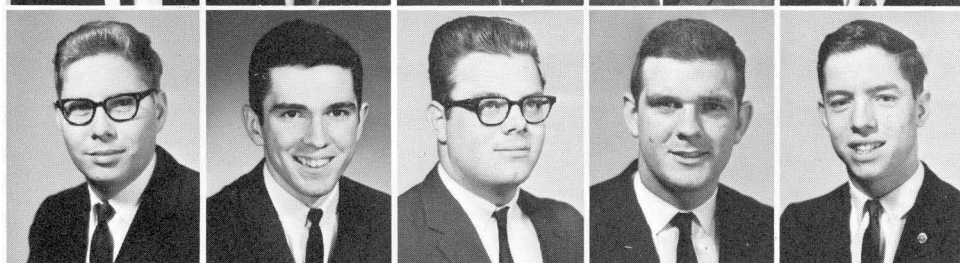
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David R. Batson
Gerald O. Black
Harry D. Blaker



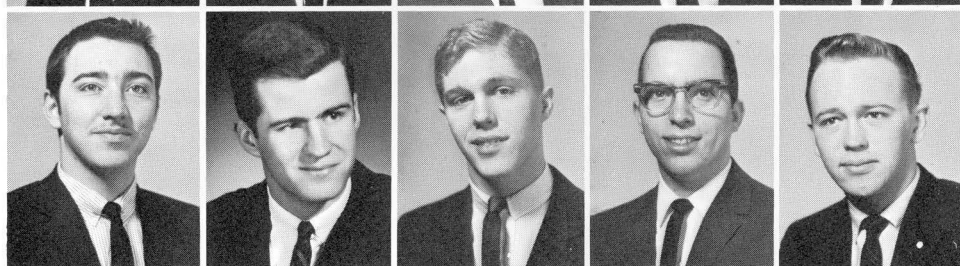
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Gary W. Blume
Gary W. Boone
Dennis C. Borse
Charles R. Boswell



John L. Bowers
John P. Bowman
Michael T. Brandriss
John T. Bray
Robert D. Brunt



Johnny L. Cadick
Patrick H. Cahill
James A. Carnes
Bryan J. Carter
Timothy L. Clark



Gary D. Crouse
Joseph D. Cull
Thomas R. Curry
Harold J. Curtis
William E. Danner

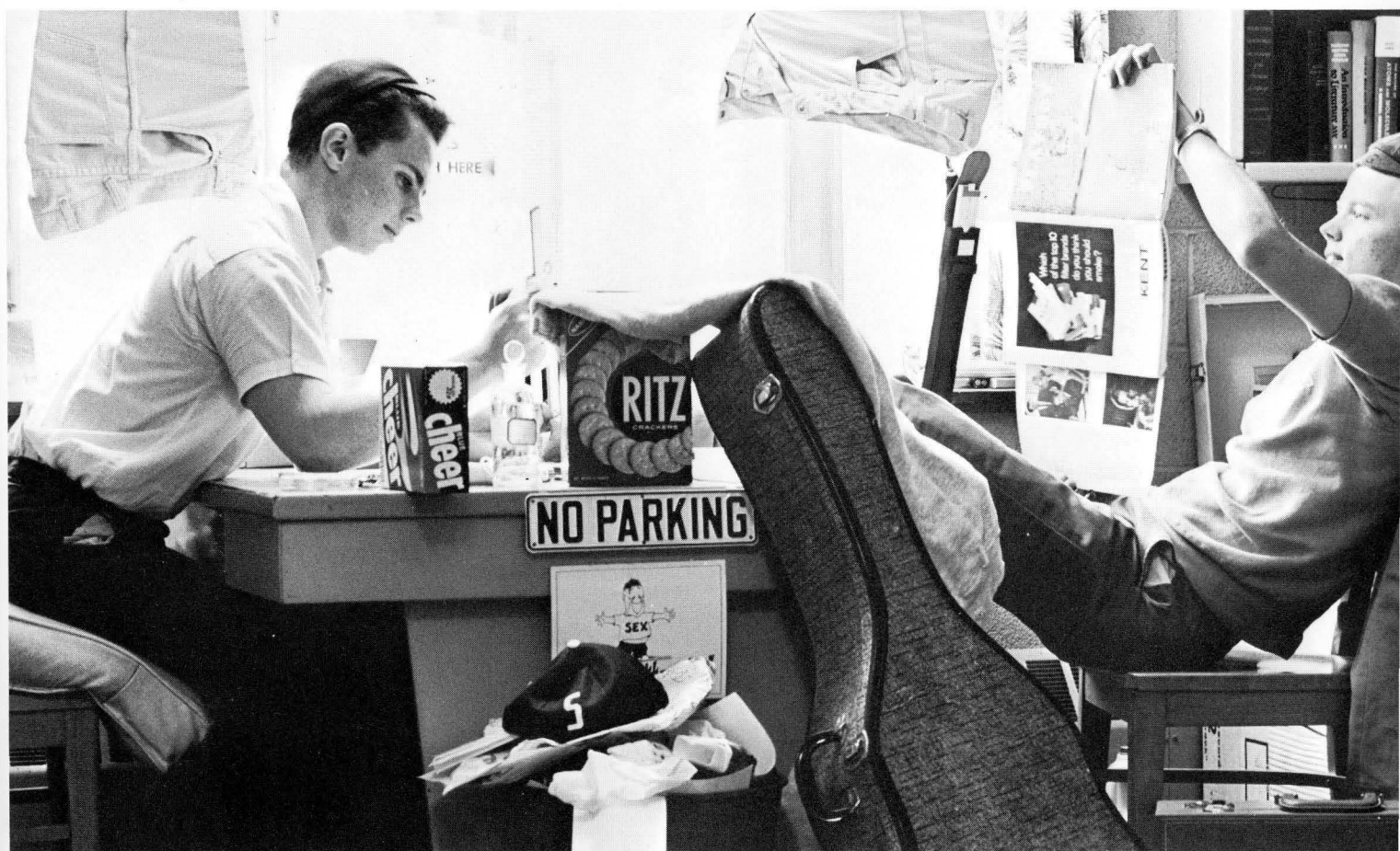


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Charles H. Divine
Douglas E. Drummond
Leonard A. Duszynski
Lawrence E. Duvall

Thomas L. Easterday
D. L. Eaglebeak
James W. Engle
Philip R. Fassnacht
Richard J. Flaherty, Jr.



Jack Flowers
James R. Forbes
John D. Gibson
Ronald P. Glanz
John F. Graves



David Grove
James R. Grundy
Donald A. Gunder
Graham R. Hacker
Larry Edwin Hall



Got a match?



The freshman give the school a hand.



Richard E. Hammond
Paul S. Hannah
James M. Hannon
John R. Haworth, Jr.
Dale E. Helms

James A. Hinshaw
David L. Honey
Charles R. Hopper
Redick W. Horton
Robert C. Hughes

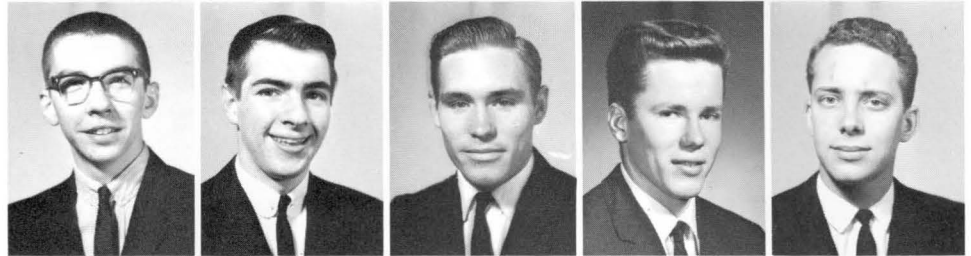
Roger T. Hybeck
 William J. Idzior
 Ellis W. Jones
 James W. Kane
 John W. Katzbeck, Jr.



David J. Kelton
 Kenneth Kerchner
 William E. Kumpf, Jr.
 Kenneth C. Kuntz
 Joseph M. Lafuze



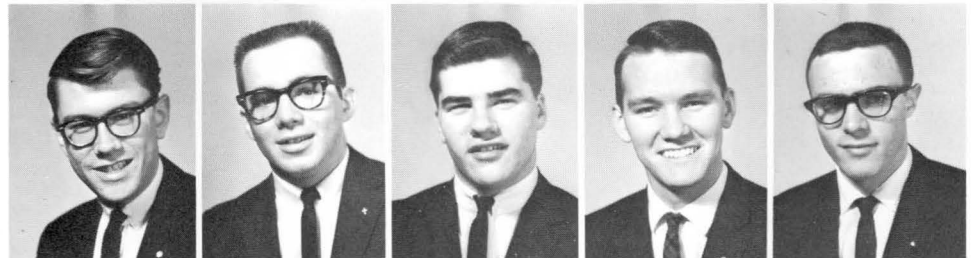
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 David P. Laws
 James L. Leaver
 William W. Leonard III
 Michael T. Lewellen



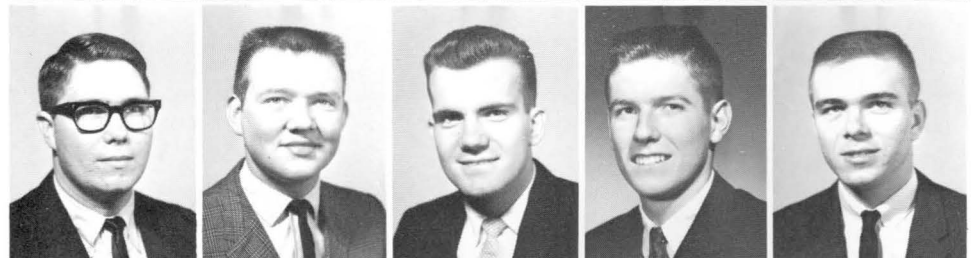
Ronald A. Long
 Michael R. McGee
 James R. Maleck
 John D. Marcum
 Steven L. Marlin



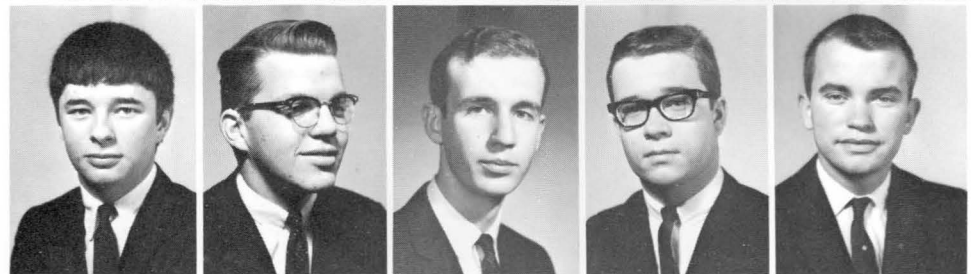
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 John L. Meece
 Gary D. Meek
 Richard Melton
 Raymond E. Mendenhall

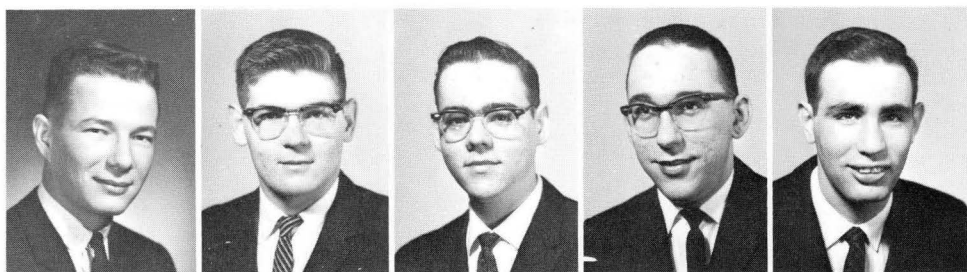


James A. Mitchell
 James M. Mondabaugh
 Fred B. Moore
 Charles P. Morgan
 Richard D. Moyer

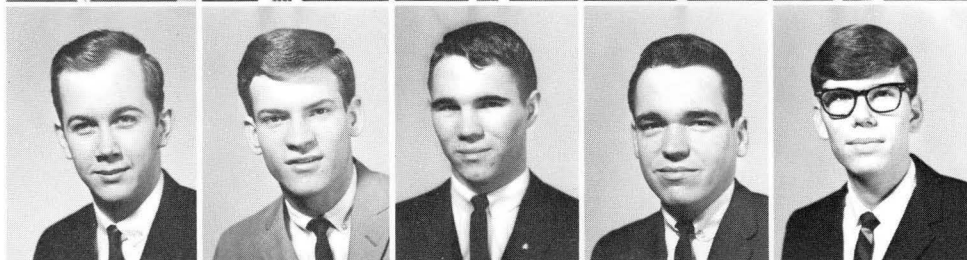


Thomas D. Newmark
 Paul E. Newton
 Lawrence R. O'Hair
 Larry C. Oldham
 Richard K. Osborn

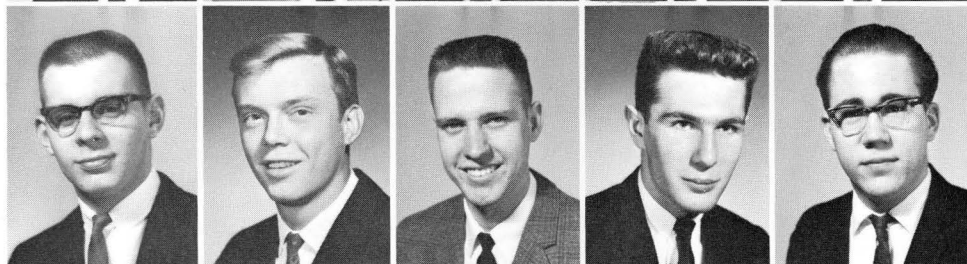




Robert R. Parks III
Steven A. Perkowski
Ronald L. Phelps
Robert L. Placek
Barry E. Raff



Brian E. Rice
William R. Ringo
Charles E. Risch
David P. Rodabaugh
David L. Ross



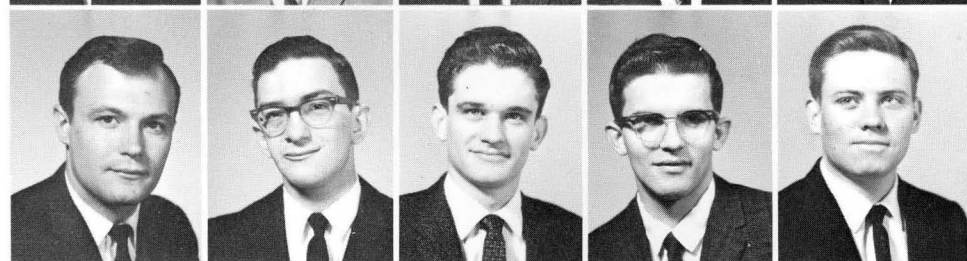
David E. Saffery
Robert A. Salberg
Rudy G. Sanders
Walter R. Sawicki, Jr.
Owen L. Sensenbrenner



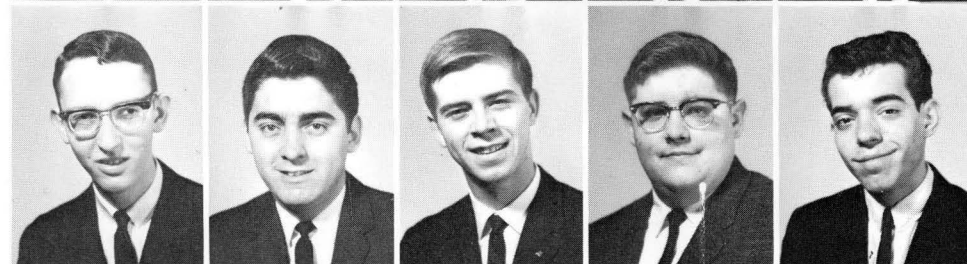
Bolivar Q. Shagnasti
Richard L. Shaw
William O. Sibrel
David S. Slavkin
Carl E. Smith



Wendell L. Smith
Mark T. Sondrini
Larry Sprouse
Terrell B. Stagner
Ronald L. Stoneburner

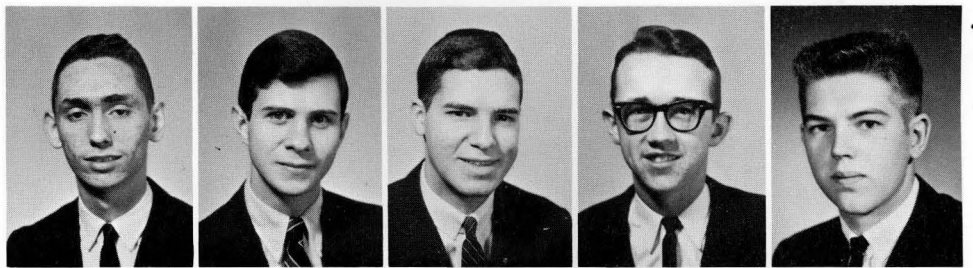


Earl T. Sutter III
James M. Tageson
Leo L. Terrando
Stephen Thompson
Dennis J. Vanata



George C. Vasbinder
Richard L. Vasquez
Raymond N. Virostko
Anton J. Vodak
Jeffery A. Wagner

Robert W. Walden
 Stephen W. Walker
 Charles E. Webb
 Henry A. Webster III
 Thomas L. Wegman



Gordon P. West
 Fred H. Wheeler
 Louis R. Yansky III
 Jay L. Yarger
 Rodney E. Yerkey



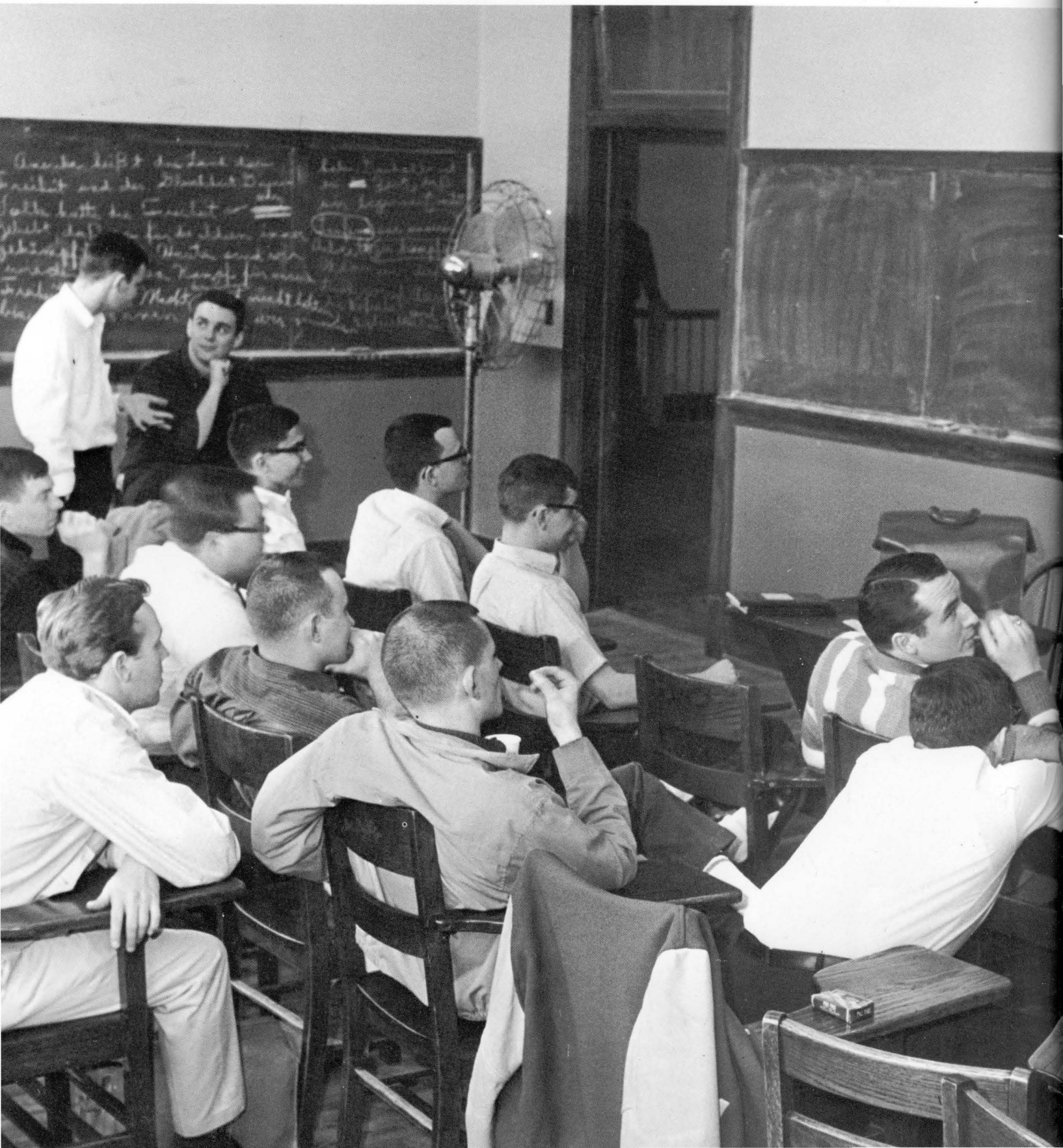
Richard A. Young
 John H. Zeller III
 James W. Zimmerman

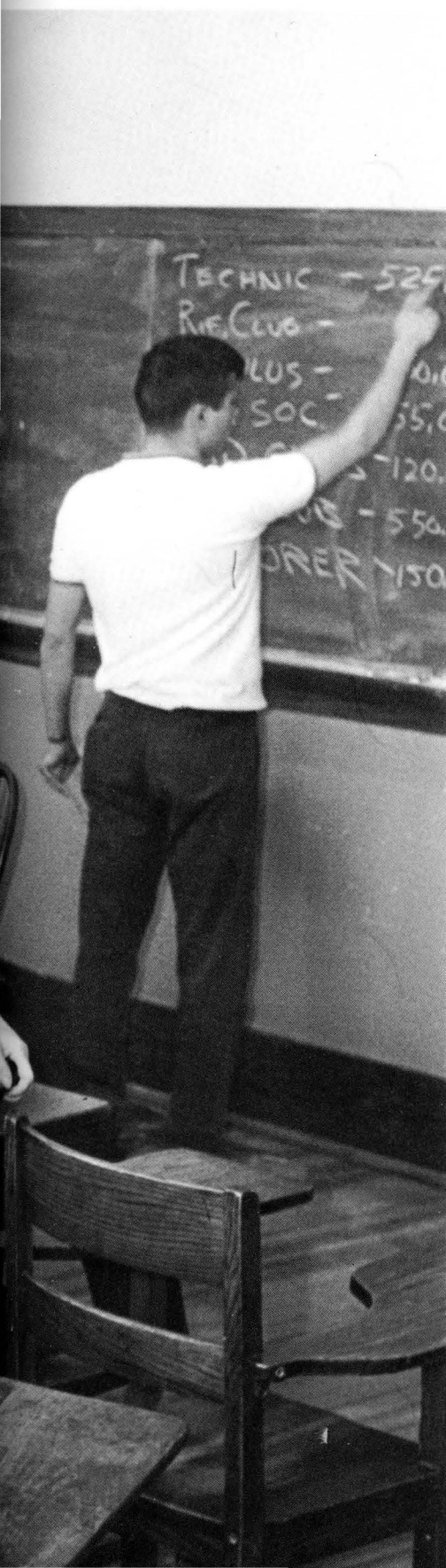
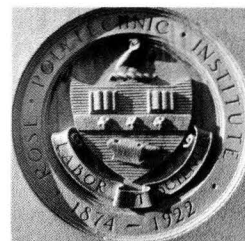


Public enemy number one.



ORGANIZATIONS





Organizations on the campus provide a most valuable aspect of college education. These extra-curriculars give, to the participating students, a knowledge of basics in management, organization and business that could not otherwise be obtained in an educational institute. For this reason the various organizations and clubs are considered a large portion of the Rose campus life.



Student Council in action.

Tau Beta Pi is a national honor fraternity composed of men who have displayed high scholastic ability, integrity, and leadership in their school lives. Men who are either juniors or seniors are tapped and pledged during the fall and spring honor convocations.

Each year Tau Beta Pi conducts a faculty poll in which the students are given an opportunity to express their opinions of their professors and instructors. The results of this poll are then given to each individual professor and instructor. This aids the faculty in carrying out their roles.

Tau Beta Pi

FRONT ROW: Jim Watkins, Lindley Ruddick, Curt Jones, Dave Rennels, Alan Bechtel, Jim Kuzmanovich, Mel Izumi, Joe Moser. **BACK ROW:** Tom Holmes, Bill Teegarden, Bob Valle, Tobey King, John

Rohr, Dave Morgan, Al Stanley, Steve James, Tom Terry, Tom Evans, Bryce Drake, Steve Hoffman, Jim Fearday.

Student Council

The main purpose of the Student Council is to serve as a mediator among the student body, various organizations, and the faculty. The Student Council is made up of three men from each class, elected by the students; the president of each class; and the financial secretary, who is elected by the faculty. This type of council gives better opportunity for the students to express their opinions through their student council.

This year's Council has been one of the most dynamic at Rose for many years. The council has tackled many problems that were formerly left to the faculty or merely passed over. It is hoped that this trend will be carried on in future years.





An early morning BK meeting in progress.

Blue Key

The Blue Key National Honor Fraternity serves both as an honorary and a service organization at Rose. Members are chosen from those men who have been in school for two years and have shown outstanding leadership, character, and spirit in extra-curricular activities.

BLUE KEY MEMBERS AND ACTIVITIES

Jack Cox: President; Freshman Smoker Chairman; Honors Convo Chairman; Parent's Day Chairman; Frosh-Soph games Coordinator; Supervisor of Homecoming Display judging.

Ed Downey: Vice-President.

Bob McKnight: Secretary-Treasurer.

Bob Valle: Corr. Secretary; Fall Film Series Chairman.

Steve Hoffman: Parking Chairman.

John Rohr: Publicity Director; Count Basie Chairman.

Dave Rice: Rose Riots Chairman.

Dave Morgan: Calendar Chairman; Name Entertainment Chairman.

John Stockton: Homecoming Chairman; Hosts for Campus Visitors Chairman.

Mike Thomas: St. Pat's Dance Chairman.

Bill Allard: Parent's Day Coordinator; Poll Watching Chairman; Freshman Orientation and Steering Chairman.

Jerry Zinngrabe.

John Stineman.

George Wagner: St. Pat's Publicity Chairman.

Andy Breece: Ride Board Chairman.

Paul Goss.

Larry Morgan: By-Laws Chairman.

Harry Templin: Calendar Board Chairman.

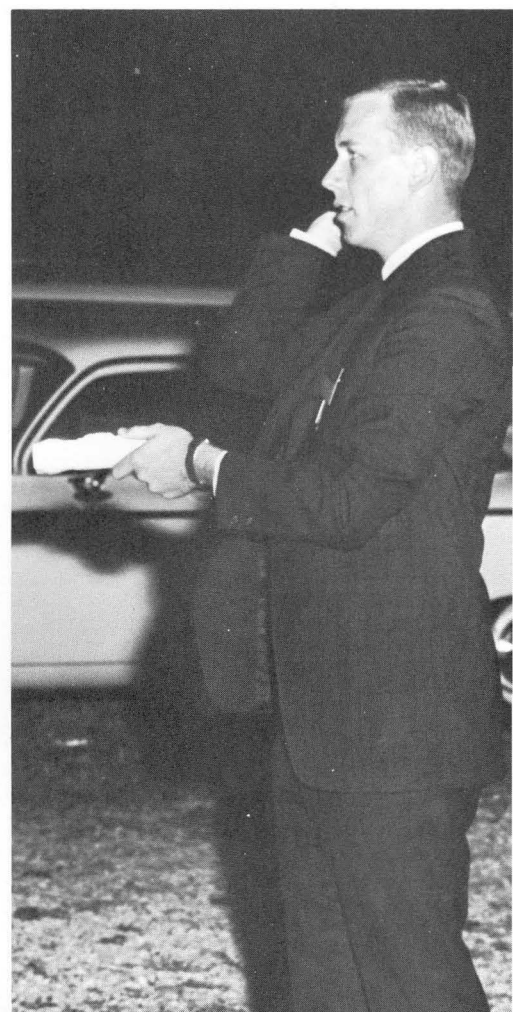
Jim Schulz.

Tobey King.

Al Wright: Rose Riots Chairman.

Will Stratten: Spring Film Series Chairman.

"That's right—down there."





William B. Allard
Editor-in-Chief



Jack Cox
Associate Editor

Modulus

The 1964 MODULUS has been advertised as being all new and different, and that it is. Both this volume, *per se*, and the organization which published it, have operated on new editorial, business, organizational, and managerial concepts. As a result of these new concepts, we have had a most interesting and educational year. The benefit of these concepts has been a more stable and businesslike publication. The product of these concepts is Volume 73 of the Rose MODULUS. We hope you like it.



Peter B. Canalia
Business Manager



Evan H. Johnson
Managing Editor

Hi there!



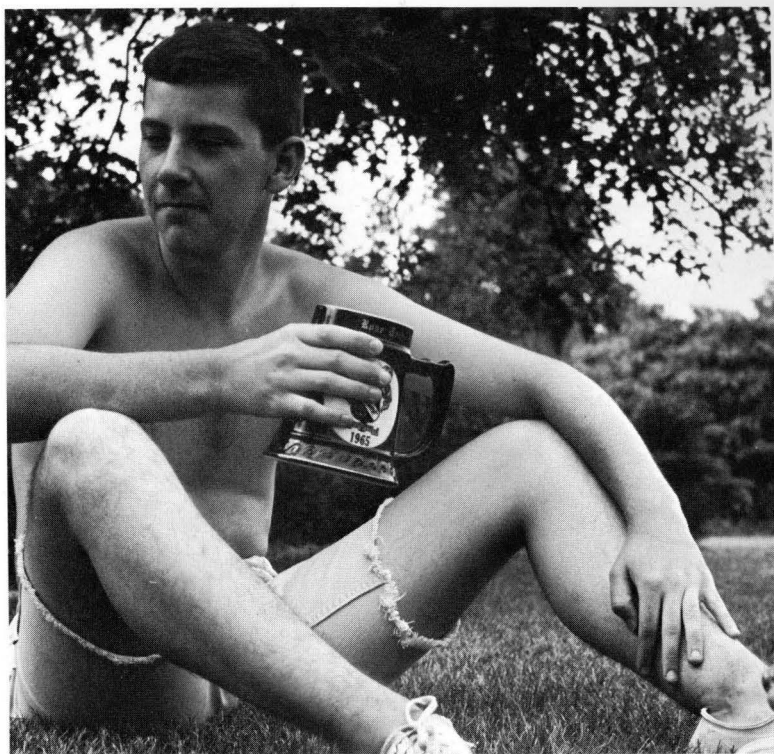
(Photo by Carter)



"MODULUS buys" for another work session.

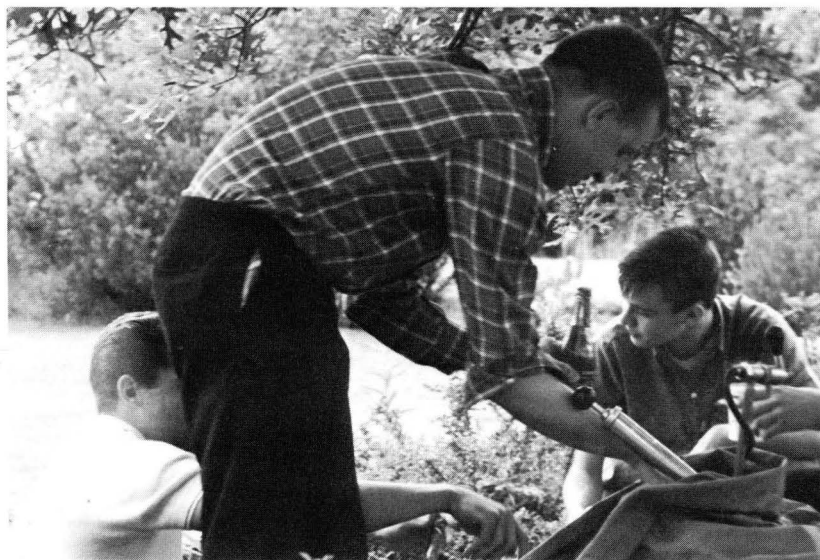


Pete, the moneyman, goes to work.

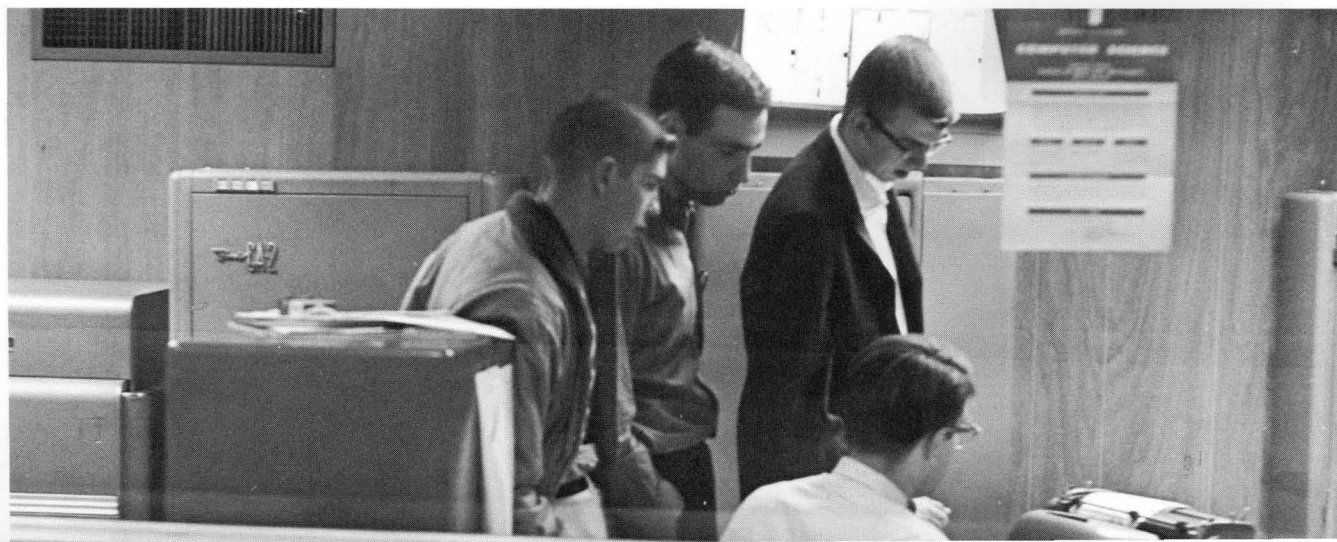


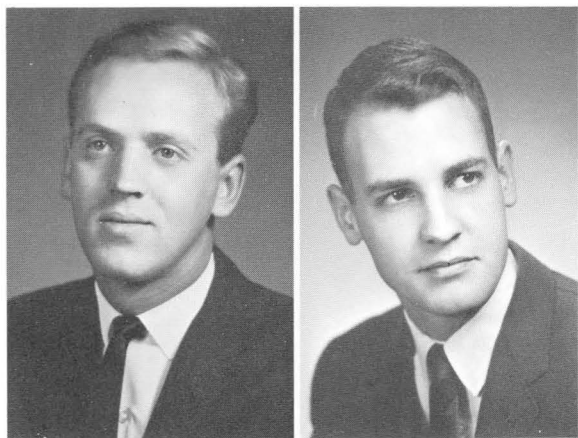
"I told you this stuff was flat."

CBH 'indulges' at the MODULUS-EXPLORER blast.



Progress, maybe. But how can you computerize a yearbook??

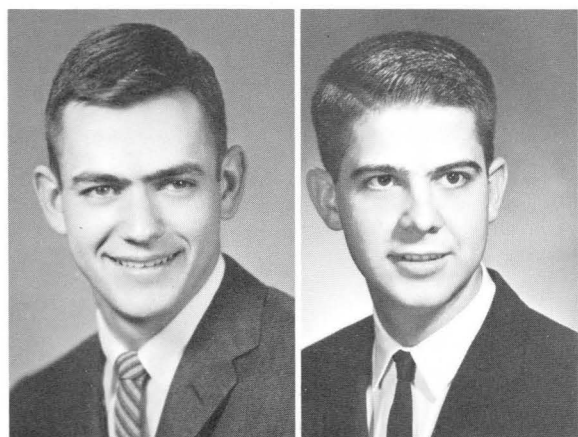




Michael Thomas
Editor-in-Chief

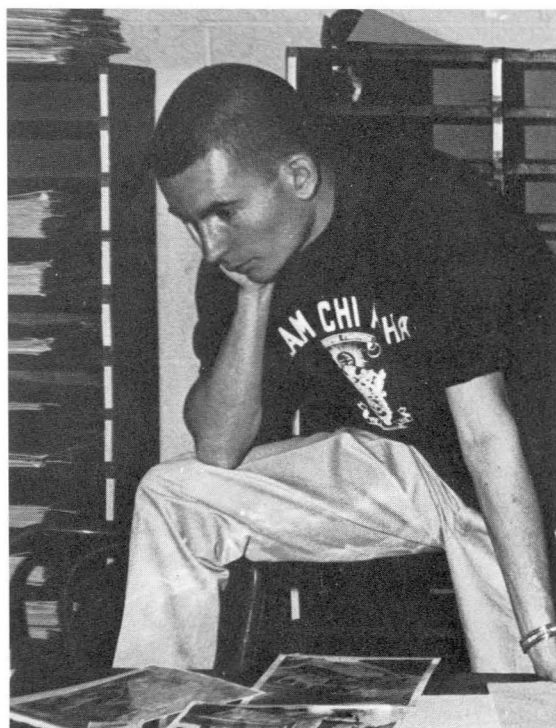
Robert Finney
Associate Editor

Technic



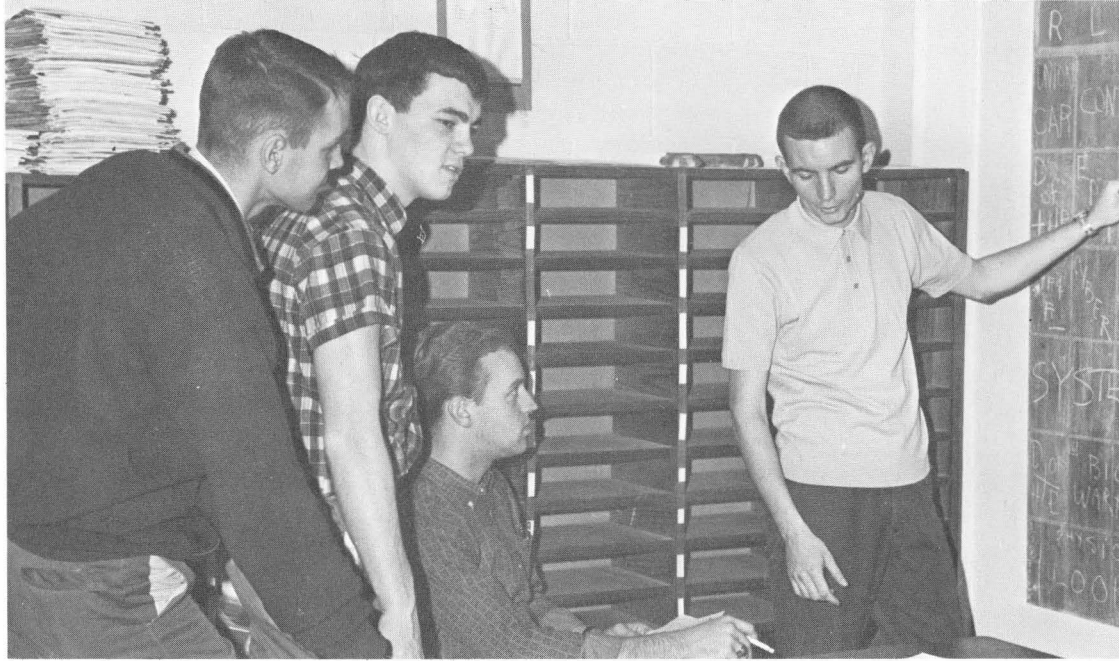
Robert Valle
Associate Editor

David Rice
Business Manager



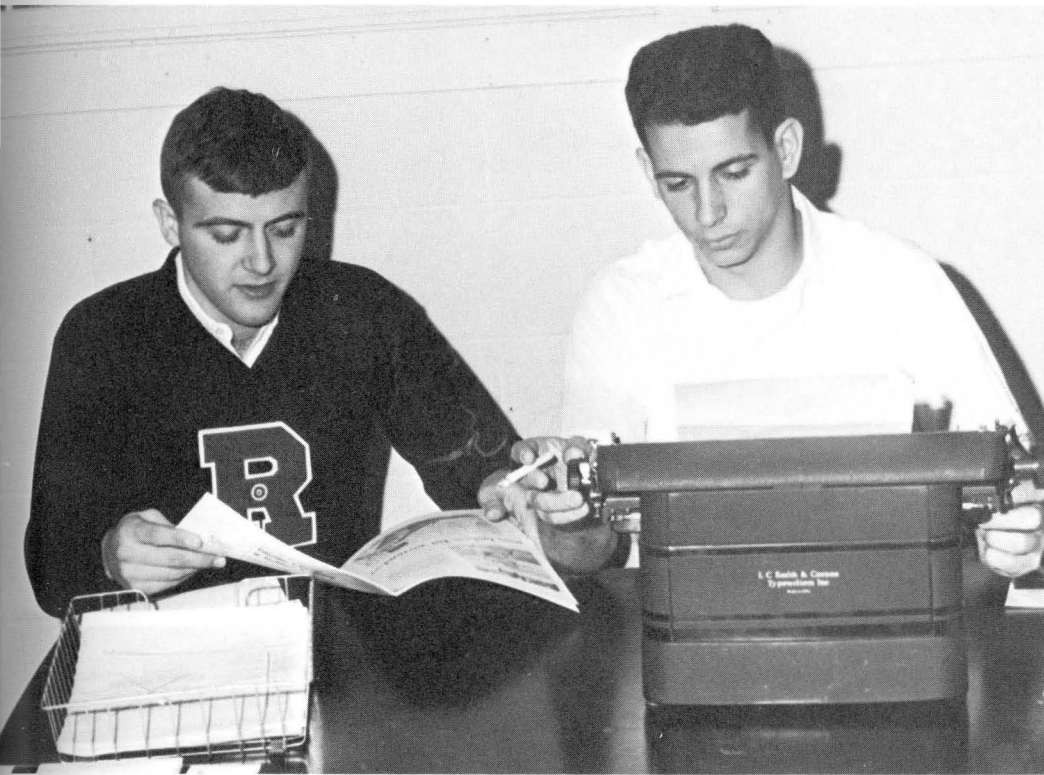
Last minute panic—the next issue's already here!





Making a decision on layout.

The contributing staff hard at work.



Canalia, Templin and
Charleton discuss the TECHNIC





Ronald F. Turaski
Co-Editor

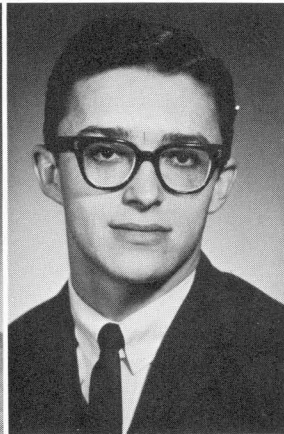


Ronald Chapman
Co-Editor

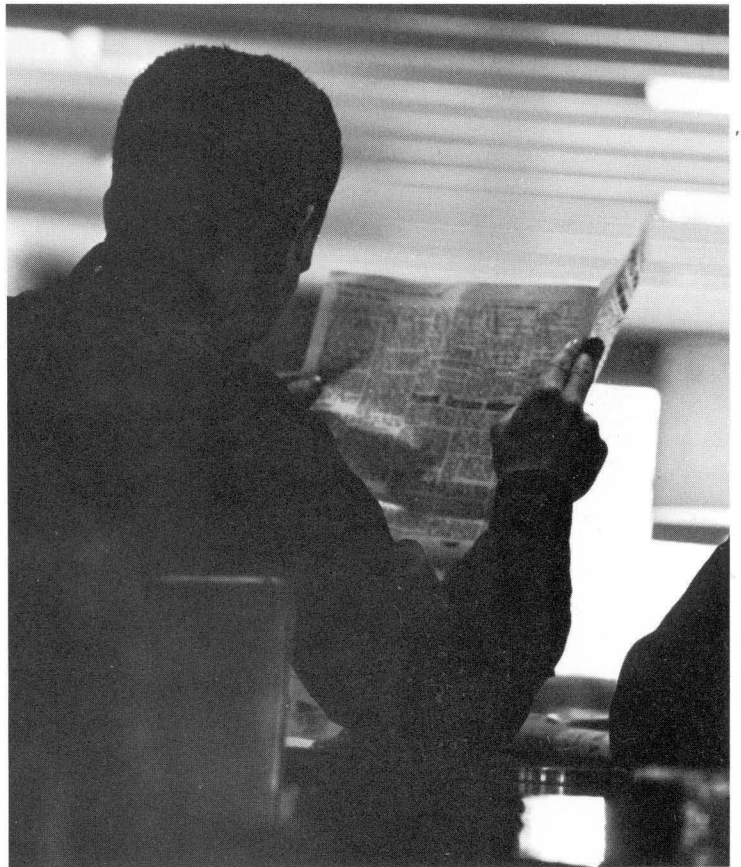
Explorer



William B. Allard
Business Manager



Evan Johnson
Managing Editor

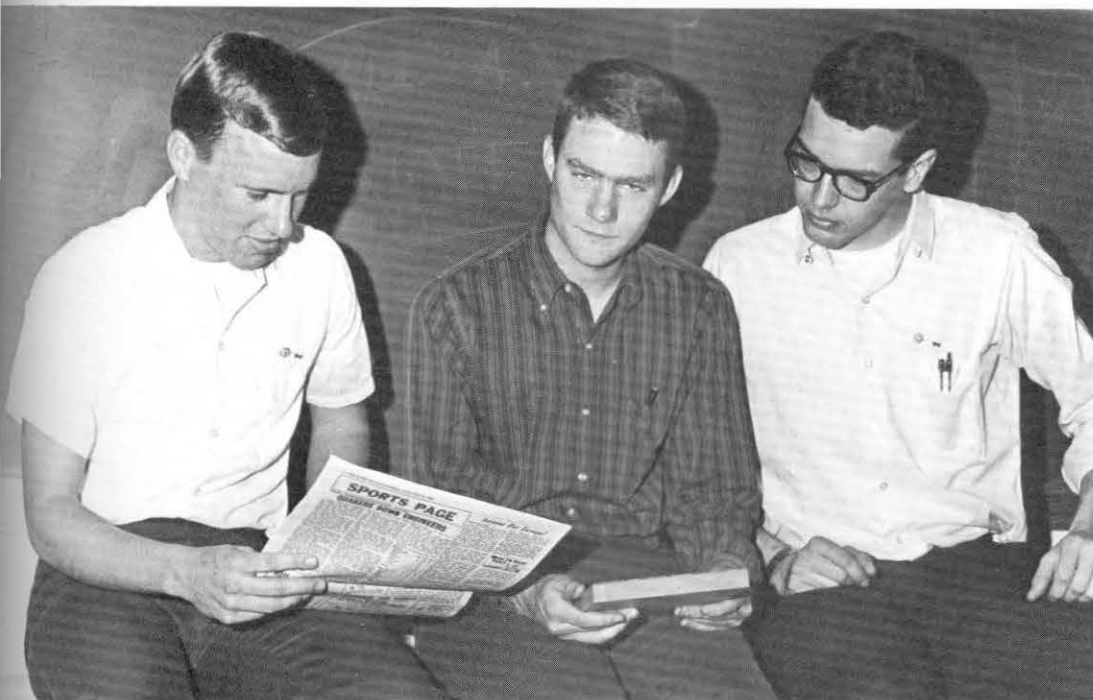


EXPLORER staff at the MODULUS-EXPLORER blast.



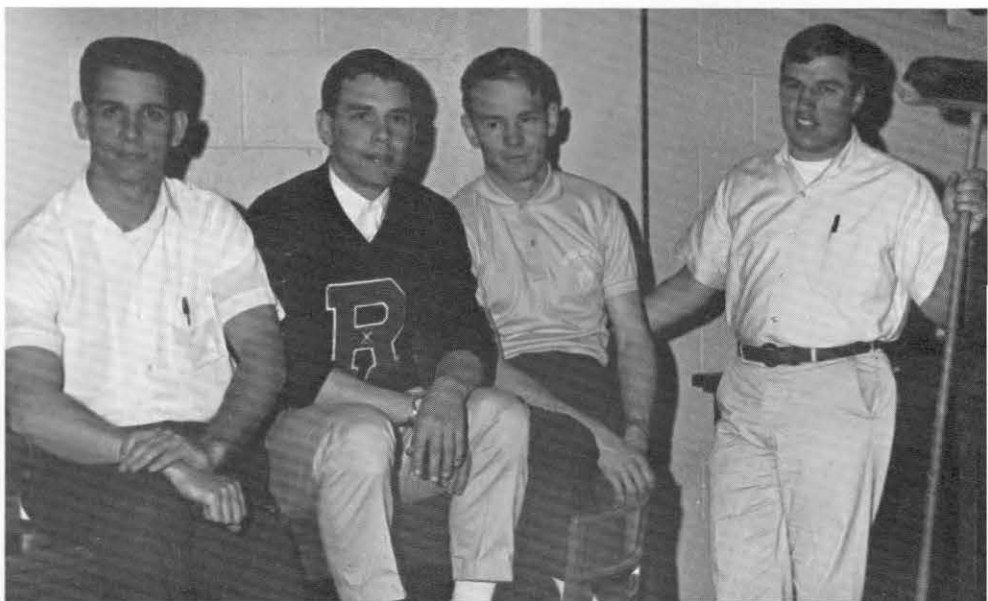


News and Feature Staffs



Advertising and Circulation staffs

Sports staff and maid.





FRONT ROW: Duane Wood, Jeff Brugos, Bill Lewis. **SECOND ROW:** Bob McKnight, Bill Everson, Gerry Finngrabe, Bob Clark, Tobey King. **THIRD ROW:** Gus Carroll, Steve Hoffman, Paul Goss, Larry Hall, Bill Templin, Bill Allard.

Twice a year, at the honor convocations, honor keys are awarded to men who have accumulated thirty honor points in one year or sixty points in four years.

Honor points are earned for participation in various sports, for membership in various organizations, for holding offices in these organizations, and for services rendered to the student body and the school. Men who have received honor keys have played a large role in bettering our school and student atmosphere.

Honor Men

Flying Club

The purpose of the club is to provide interested students an opportunity to secure training in flying. Ground school training is given on the campus by certified instructors. Solo instruction is given in planes operated by a competent flying school based on a nearby airport. The cost of the training desired is based upon contract rates set up between the club and the organization providing the instruction.

The Rose Flying Club



Campus Club



A Campus Club mixer.

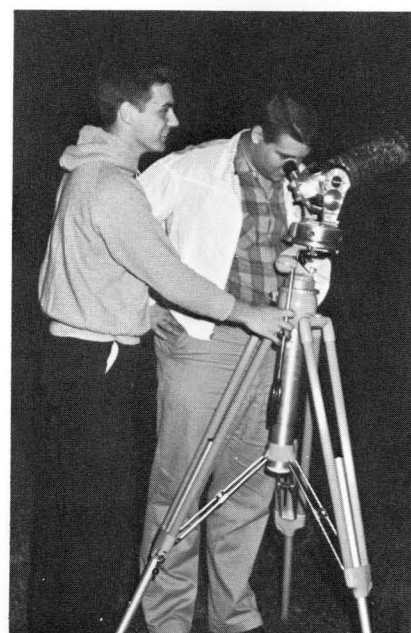
The Campus Club had another fine year in offering Rose students social activities during the school year. Besides supplying newspapers and a number of magazines to the dormitories and student center, the Campus Club sponsored three mixers in the fall and the annual Christmas dance. The three mixers were with the women from Ericson, Burford, and Reeve halls. Officers this year were Larry Morgan, president; Gordon Wartsler, secretary; Richard Foltz, treasurer; Pat Alden, social chairman; and Dean Ralph Ross, faculty adviser.

Astronomy Club

All students are welcome to join the Astronomical Society. Members have access to the Observatory and the Lynn Reeder Laboratory. Activities include participation in the visual search for re-entry satellites under a program directed by the Smithsonian Astrophysical Observatory.

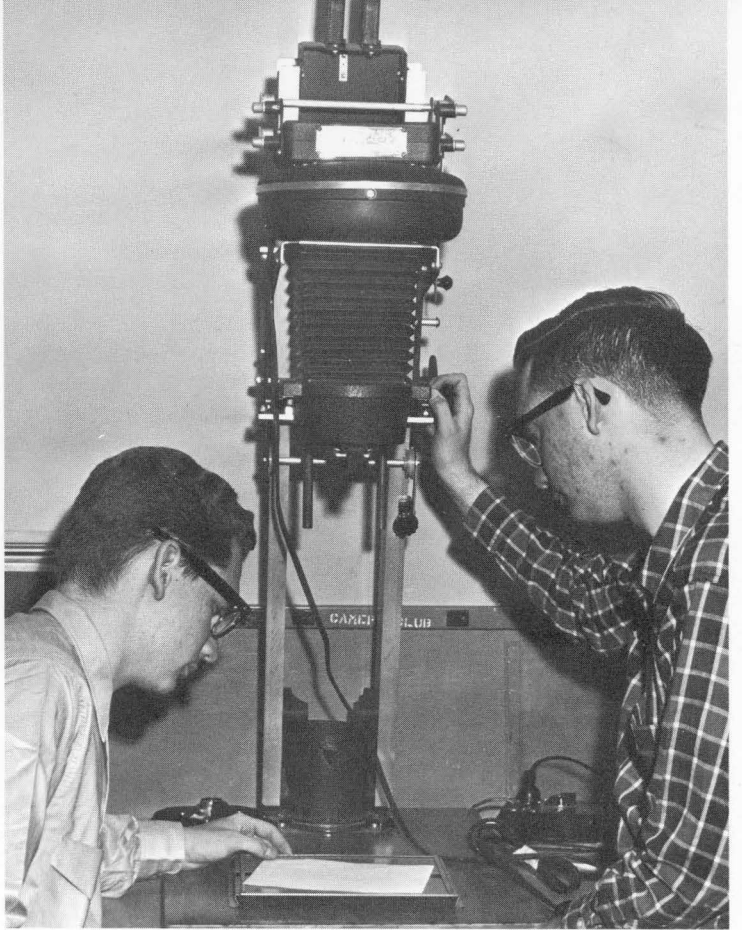
Presidents McKnight and Haase.

Film Developing time.





Bob McKnight
President



Take it down a little.

This year not only singers, but instrumentalists, were given a chance to display their talents in the Glee Club. Besides the rhythm trio of piano, bass, and drums backing the Glee Club, there were a dixie-land band, a special stage dance band, and a brass choir which was used at Christmas time.

In the fall and winter, performances were given at Rose's Homecoming and at a Christmas convocation. An evening of carolling was enjoyed at Saint Mary-of-the-Woods College just before Christmas. In the spring the Glee Club headed south for a four-day tour of Southern Indiana and Kentucky, climaxing an eventful year of rehearsals, concerts, and television shows.

This year the camera club offered its 30 members the use of a professionally equipped dark room located in the basement of Speed Hall. Besides being used for the personal enjoyment of Rose's "shutter-bugs," many of the members were kept busy taking and processing photographs for the Rose publications. Officers of the club this year included Bob McKnight, president; Jim Moyer, vice president; and Lt. Col. John Dougherty, faculty adviser.

Camera Club

Glee Club

The Glee Club sings.



Radio Club



Club members call a fellow ham.



President Hindel and Dean Moench

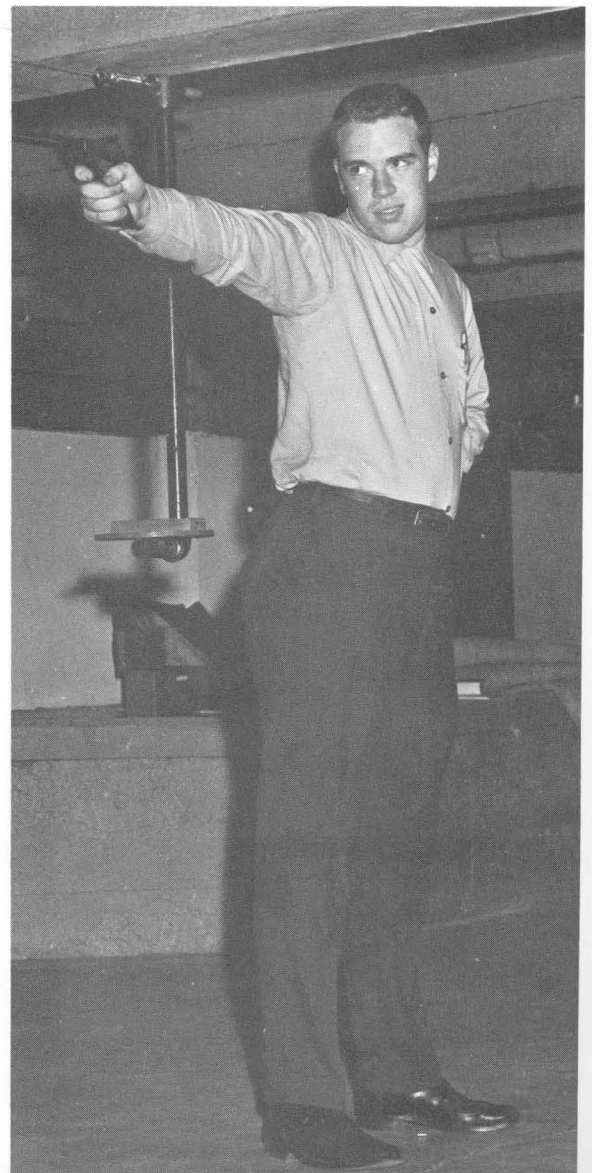
The Rose Tech Radio Club is a student-operated organization under the guidance of Dean Moench. It is devoted to the advancement of ham radio in college and to the service of the school. The members holding licenses often provided their time in rendering these services. Some of these services are: message handling, where any student or faculty member may get a message relayed to any place in the United States free of charge; emergency reporting of news, as was done in the Cuban crisis of last year; and the holding of code classes for new members to prepare them for their licenses.

J. R. Righthouse, President

Rifle Club

This year saw many changes in the Rifle Team. The team competition is now a major varsity sport on campus, and toward the end of the year another team was set up to fire .30 caliber M1 rifles. They have also added pistol firing to their busy schedule. This year's schedule included twenty-three meets against most of the top teams in the nation, including Alaska, Arlington, and Kansas Universities.

The objective of the club is to train individuals to fire rifles and pistols, and to promote safety afield and on the range, along with having a good time.





Rose Rifles

The Rose Rifles in drill competition.

The Rose Rifles, Rose Poly's Drill team, goes through a military drill sequence under the command of Wilfred Otaguro. The organization is coached and organized under the leadership of Captain Dale Randels and the executive committee consisting of Chuck Yager and Bill Kuschel.

This year the Rose Rifles have been performing at football and basketball games, parades in Terre Haute, and also at three intercollegiate drill meets held at Purdue University, the University of Illinois and Bradley University.

Next year they hope to give many more performances in this area.

The Society of American Military Engineers.

S.A.M.E.

The Society of American Military Engineers at Rose provides the student body with an excellent opportunity for a more rounded education in the realm of the military. While the Military Department provides the basics of military leadership, the S.A.M.E. provides the spirit essential in developing good leaders. The chief aim of the S.A.M.E. is to encourage a greater feeling for engineering within the Army. In accordance with this goal, the S.A.M.E. sponsors a military ball in the fall and trips to various military installations around the country. However, due to the assassination of President Kennedy, the military ball had to be postponed.





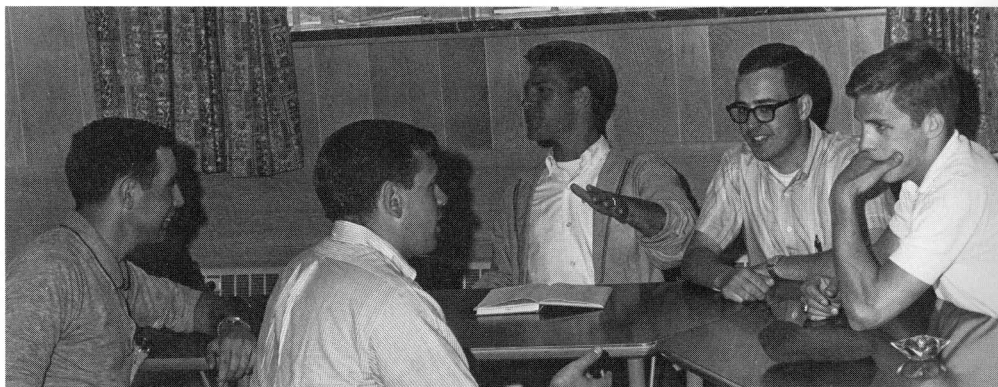
SENIORS: Steve Hoffman, President; Lindley Ruddick, Vice President; Pete Canalia, Sect.-Treas.

Class Officers



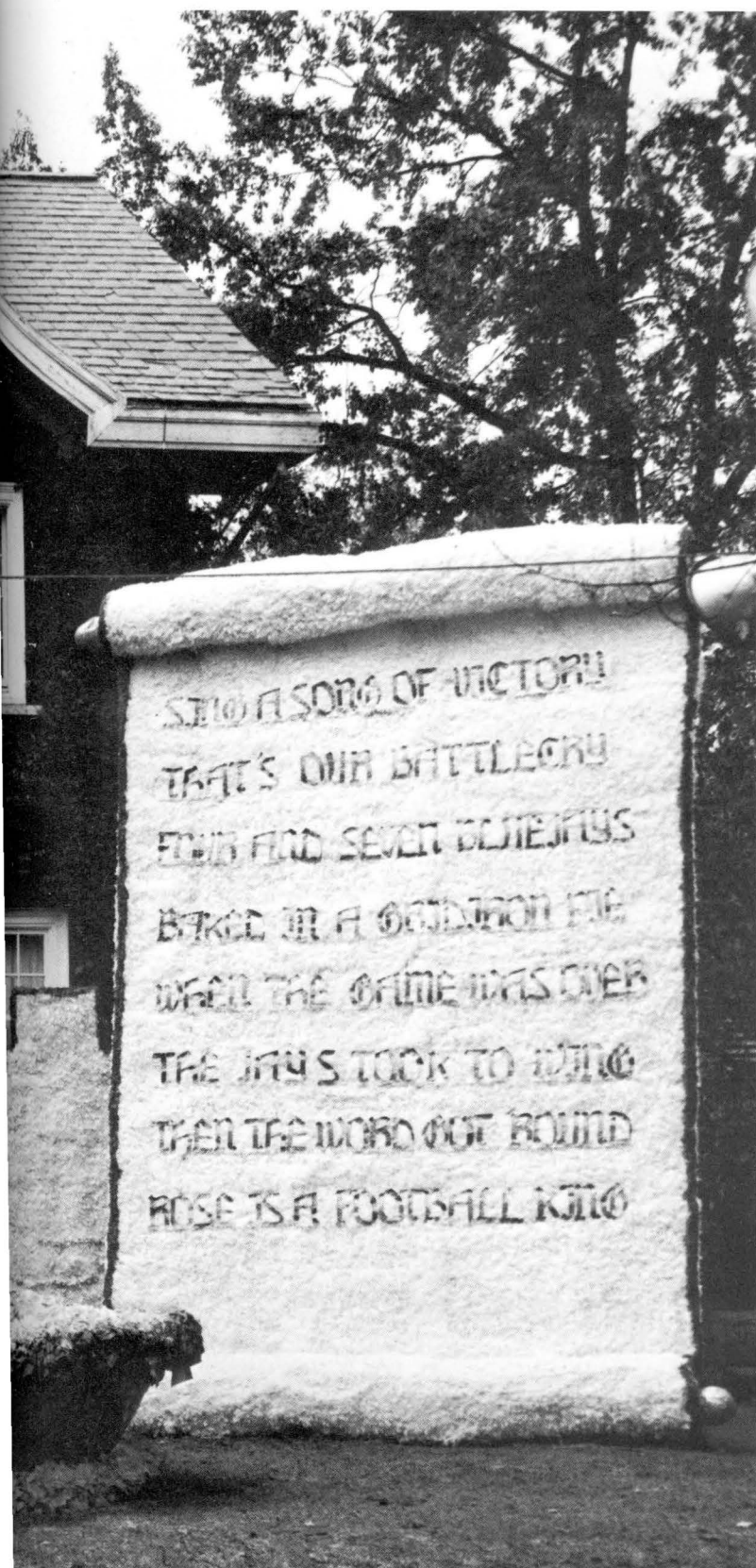
JUNIORS: John Diefenbaugh, Sect.-Treas.; Skip Stilagi, Vice President; Bob Clark, Student Council; Absent: Evan Johnson, President.

FRESHMEN: Barry Raff, President; Dave Slavkin, Sect.-Treas. **SOPHOMORES:** Jeff Brugos, President; John Howlett, Vice President; Mike Redman, Sect.-Treas.

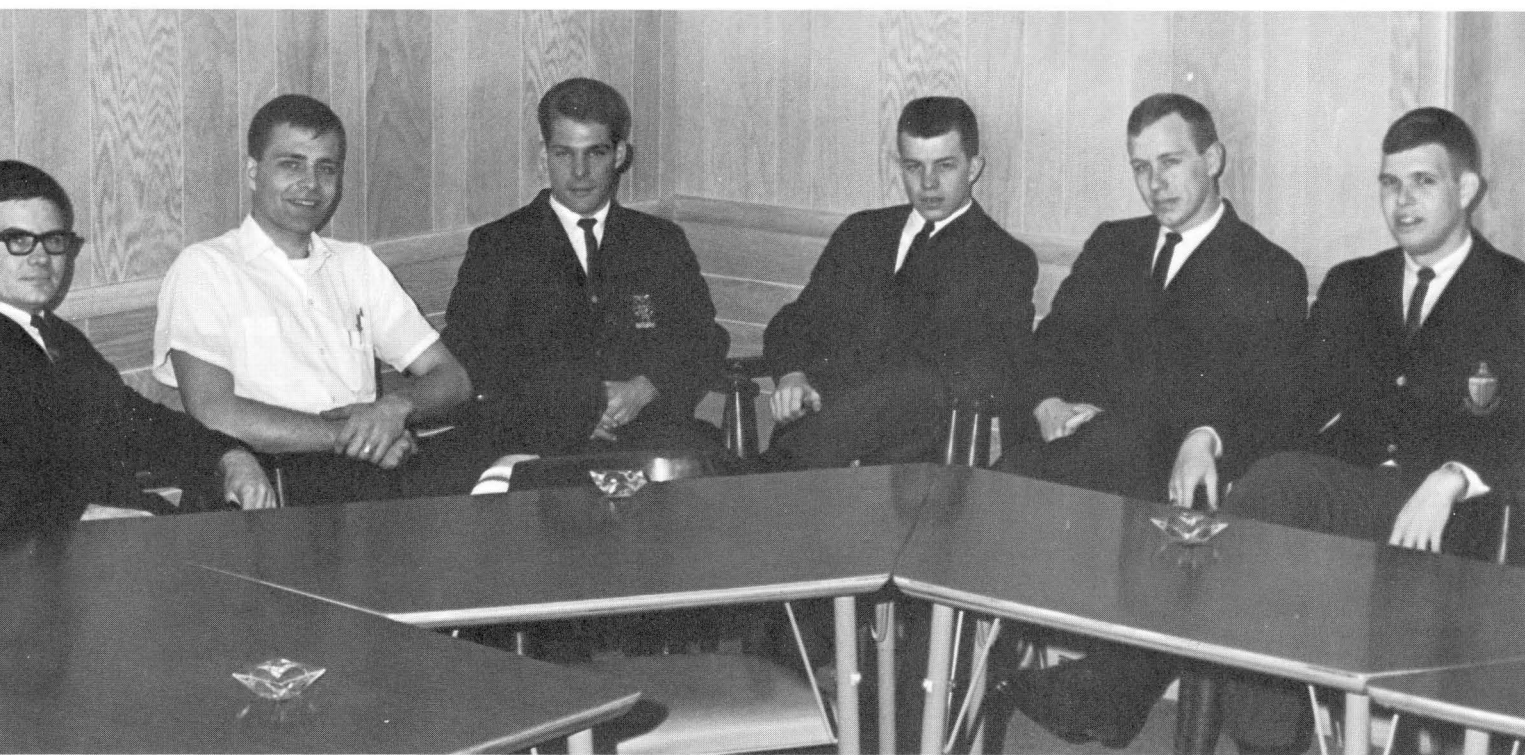


FRATERNITIES





Fraternities are the heart and source of student activity at Rose. It is from the houses that the Campus leaders come. It is from the houses that a large portion of the Rose man's social life begins. It is between the houses that competition arises, such as the winning display pictured on the left. Indeed, it is the fraternity system which makes up a major part of the Rose student's life and extra-curricular education.



IFC members: Jack Cox; Ed Downey; Jeff Brugos; Jim McCoskey; John Stockton; John Stineman.

The purpose of the Interfraternity Council is to coordinate the activities of the four social fraternities of the Rose campus. In the past, the IFC has been hampered by the constitution under which it was governed. The men who were assembled this year on the Council had the foresight and courage to undertake the project of writing a completely new constitution.

These men sought to establish a constitution which would reorganize the Council's membership, activities, and other aspects of the IFC. Also, the Council wanted a constitution which would reaffirm the desire to perpetuate interfraternal fellowship. The constitution was ratified by all four fraternities and was adopted on May 21. With such a document as the guidepost, the Interfraternity Council on the Rose campus can grow and improve and thereby result in the betterment of our fraternity system and thus the betterment of Rose itself.

The IFC's annual activities, these being the Get Acquainted parties for freshmen, Goodwill Passout Day, and the Interfraternity Dance and Song Contest, were again highlights for the year. Also the IFC sponsored sports and homecoming display competition was very spirited this year.

Thus, the IFC feels that the year has been a very fruitful one. The hopes and goals point to many successful years to come; these being made possible by the new IFC Constitution.



Jim McCoskey
IFC President





TX-ATO Basketball game.

Interfraternity Council



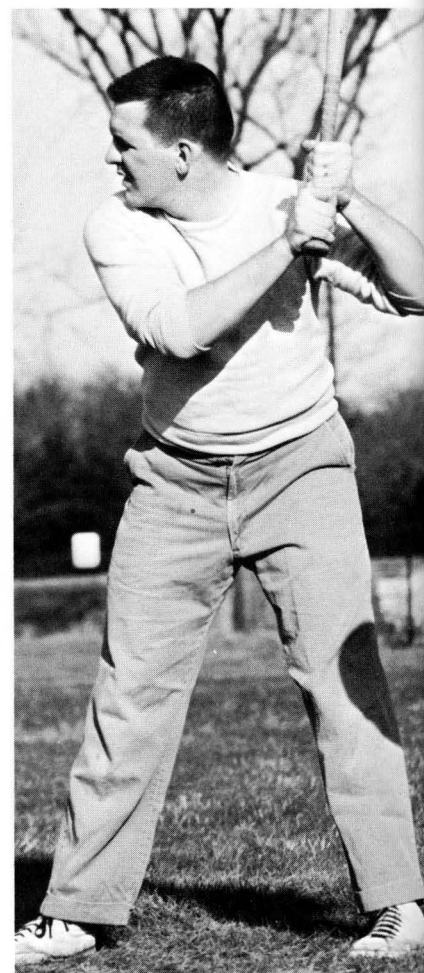
A rush party in progress.

ATO's "Neighbor Night."





Bob Gordon, Lambda Chi Alpha, receives the Scholarship trophy from President McCoskey.



The question is: Which one?



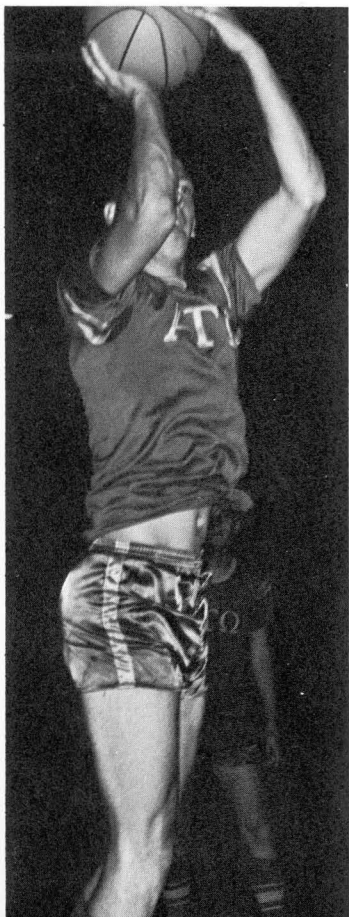


TX-Sigma Nu Baseball game.

RAID!



Cug sinks another one.



"Someone get that man a winter coat."





Alpha Tau Omega actives. **FRONT ROW:** Jim Copeland, Alan Welton, Hal Coon, Dave Skevington, Dave Leonard. **SECOND ROW:** John Frischkorn, Bob Evans, Tom Takacs, Bruce LeRoy, Ron Gesell, John Slack, Chuck Yager, Bob Stanton, Bill Allard. **THIRD ROW:** Dave Rice, John Warnke, Lindley Ruddick, Jack Cox, John Stineman, Al Wright, Evan Johnson, Ron Chapman, Chuck

Huppert. **FOURTH ROW:** Bob McCoige, Tim Lake, Mike Scherer, Bob McKnight, Bill Kuschel, Terry Fenimore, George Wagner, Grady Wallace, Jim Howenstine, Terry Taylor, Bronis DeSupinski, Mike Wadsworth. **BACK ROW:** Don McNally, Roger Long, Bob Finney, Jim Doolittle, Dick Jensen, Paul Wycoff, Rick Reeves, Dan Lenz, Andy Breece.

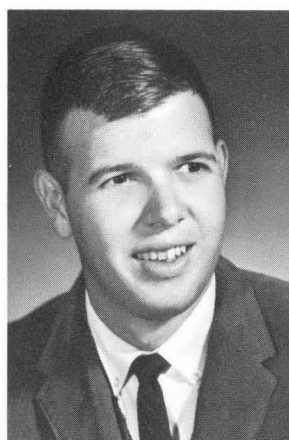
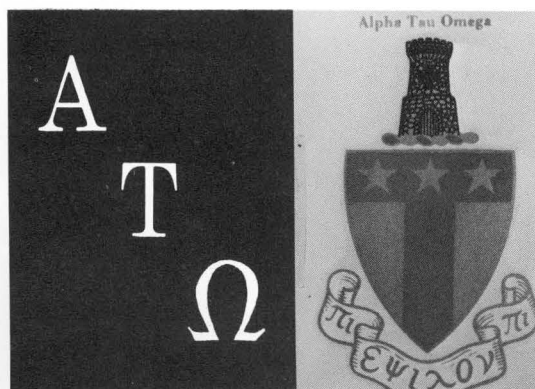


Christmas party for tots with Delta Gamma

Alpha Tau Omega had another productive and lively year, full of many and varied activities. In the various organizations ATO had an ample representation as can be seen by a quick glance at the pictured clubs.

Lindley Ruddick was tapped for Tau Beta Pi. The Chapter membership in Blue Key was increased the second semester by the tapping of Jim Howenstine. Previous members were Rice, Breece, Wagner, McKnight, Wright, Stineman, Allard, and Cox. Jack Cox worked diligently throughout the year as President of the organization.

This year helping the Rose Varsity was Rich Reeves, Lorin VanGordor, Gib Bosworth, and John Slack all playing football. Bert Williams played basketball and Don McNally and Gib Bosworth helped the baseball team to a semi-successful season.



John Stineman
Worthy Master

Jack Cox
Worthy Chaplain

Allen Wright
Worthy Keeper of Exchequer

Evan Johnson
Worthy Keeper of Annals

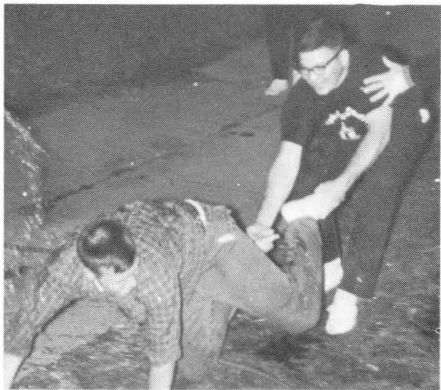
Lindley Ruddick
Worthy Scribe

"Mom" Stewart, as always, has helped make the year most pleasant with her continual smile, motherly advice, and sensational meals. "Mom's" kitchen was vastly improved with a built-in cabinet and a new paint job, both gladly furnished by the pledges.

This year the "Taus" were singing everywhere. Under the fine direction of Ron "Guzzy" Gessel, we captured our State Day Song Contest and the Interfraternity Song Contest.

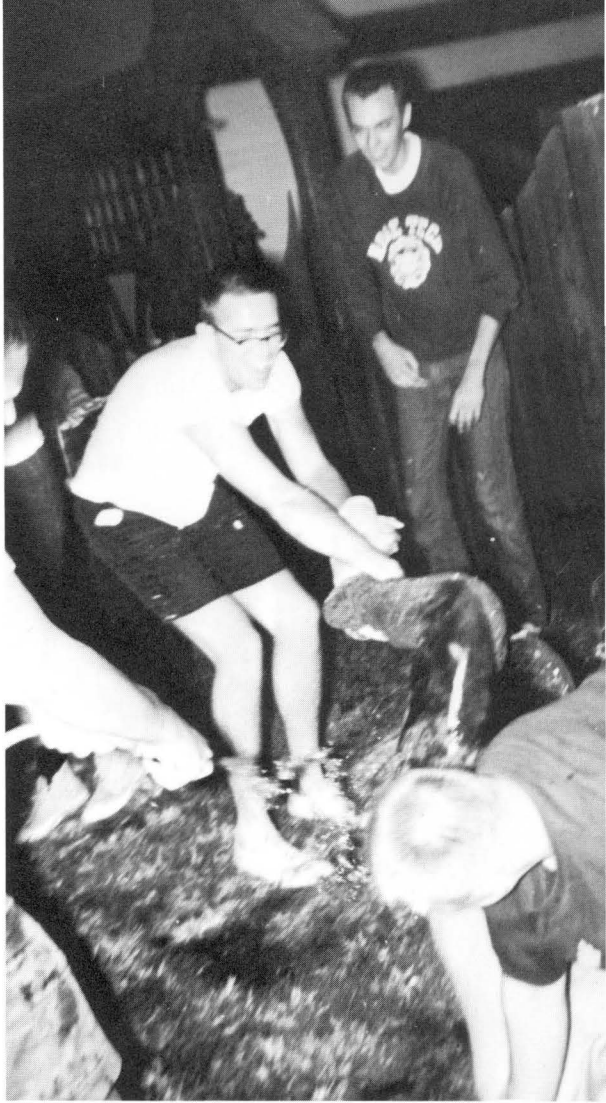
As always, our social calendar was well filled with mixers, date parties, dances, and community projects.

The school year is nearly over and a few of the Brothers greatly anticipate the Alpha Tau Omega National Congress which will be held at the Grand Bahama Islands. We all are looking forward to another full year with great expectations for Alpha Tau Omega.



John Stineman is engaged.

Alpha Tau Omega pledges. **FRONT ROW:** Ned Badertscher, Bill Day, Dick Young, Gib Bosworth, Dick Jones, Ron Steele, John Boyer. **BACK ROW:** Jim Caughran, Lorin VanGorder, Roy Mueller, Lee Peters, Bert Williams, Wally



There is always some time for supervised fun.

Long, Chuck Hague, Redick Horton, Bill Danner, Ron Long, Tom Martz, John Bowers.



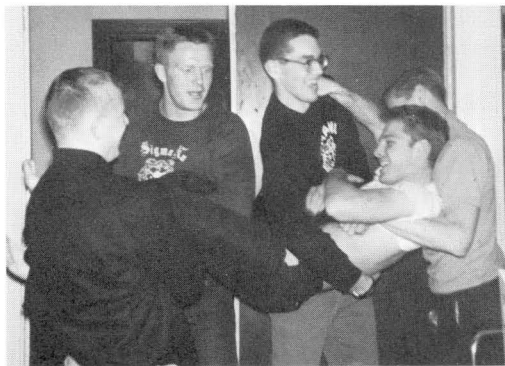


Sigma Nu actives. **FRONT ROW:** Tom Davidson, Pat Dowdy, Pete Taylor, Mike Johnson, Ed Downey, Bill Everson. **SECOND ROW:** Dave Hall, Chuck Baker, Paul Goss, Joe Thurston, Steve Hill, Pete Canalia, Bob Rose. **THIRD ROW:** Joe Griffin, Jim Lane, Al Ratz, Joe Wise, Larry Hall, Larry Hall, Steve Hoffman, Dwight Garbe. **FOURTH ROW:** Jay Sinex, Jim Brown, Tom Bilias, Bob Barnett, Dick Swan, Larry Jackson, Jeff Brugos, Bill Bess, Dave Holobaugh.

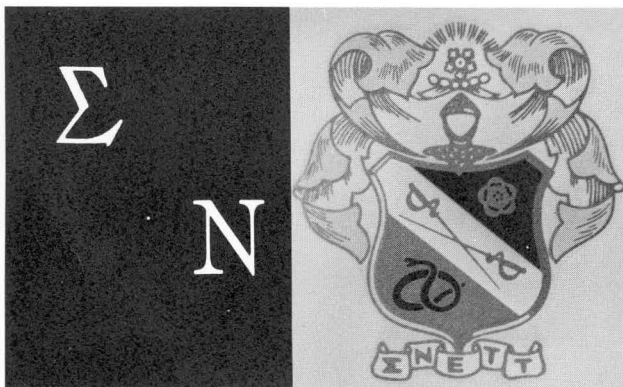
FIFTH ROW: Ed Holt, Rand Overdorf, Virgil Roberts, Jerry Zinngabe, Mark Zaenglein, Don Lundgren, Bob Bonson, Steve Daugherty, Rello Cristea, Steve Charlton, Larry Clemons, Dave LaRue. **BACK ROW:** Bill Roemler, Gus Carroll, Tom Fite, Gary Shillinger, John Sauser, Pete Petrowsky, Tom Daugherty, Dave Robinson, Brent Lower.

Once again, the men of Sigma Nu are able to look back over the past school year with feelings of pride and accomplishment. A brotherhood such as ours, stressing unity, is evidenced in our participation in campus activities and our success in interfraternity competition.

Under the leadership of Brother Tom Bilias, the chapter constructed a Homecoming display that earned us first-place honors in the Interfraternity Homecoming display competition last fall. Despite several early setbacks, the Sigma Nu football team finished strong to share a three-way tie for first place. In Interfraternity basketball, Sigma Nu captured first place and retired the basketball trophy for three consecutive championships. Sigma Nu won the All-Sports Trophy for the fifth straight year.



Help!!!



Edward Downey
Commander

Jeff Brugos
Lt. Commander

David Hall
Recorder

Stephen Hoffman
Treasurer

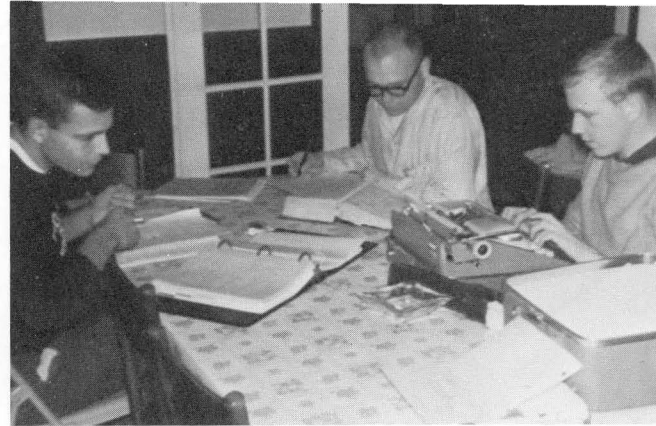
Paul Goss
Marshall

The men of Sigma Nu were also very active in varsity athletics this year, with representatives on each of the Rose varsity teams. Brother Larry B. Hall was co-captain of the 1963 Rose football team, while nine other brothers also won letters. Leading the Rose basketball team were Brothers Ed Downey and Jimmy Brown, co-captains of the 1963-64 team. There were five other brothers on the same team. Bob Bonson was voted the R.P.I. track squad's most valuable member and Ed Downey was elected to the P.C.C. All-Conference basketball team. Brother Bob Clark was elected President of the R-Man's Club.

Brothers Zinngrabe, Goss, Downey, Clark, Hoffman, Brown, Dave Hall and Griffen served the school through Blue Key honor fraternity. Brother Griffen was recently elected president of Blue Key for the 1964-65 school year. Brother Hoffman served as the Senior Class President and as a member of Tau Beta Pi fraternity. Brother Brugos was president of the Sophomore class, while Pledges Honey and Slavkin served as vice-president and secretary-treasurer of the Freshman class. Brother Carroll was selected to be editor of the 1965 Modulus and Brother Griffen was selected as business manager of the Rose Technician. Many of the men served as officers of their professional organizations, on faculty committees and the student council.

Despite the school work, campus activities and athletics that took up so much of the brothers' time, the Sigma Nus were still able to enjoy a full social calendar. The V.M.I. dance, the trade parties with State's Sororities and the Woods, the date parties and the picnics were all thoroughly enjoyed by the brothers. The real social highlight of the year was the pledge dance held this Spring. Arranged by Tom Bilva and financed by our pledges, the dance was held aboard a riverboat on the Ohio River, at Cincinnati.

This spring, Sigma Nu pledged 16 men, all of whom we feel confident will carry on the traditions and ideals of our fraternity. It is these men who will determine the future of Sigma Nu. We are sure that their goals will be high and that they will reap the rewards of such high ideals as unity, brotherhood and honor.



A few ΣN's putting the team effort into studies.



Some of the girls helping out during rush.

Sigma Nu pledges. **FRONT ROW:** Terry Stagner, Walt Sawicki, Tom Wegman, Dave Slavkin, Chuck Morgan, Bob Brunt, Bob Salburg, Ken Kerchner.

BACK ROW: Gary Blume, Larry O'Hair, Joe Cull, Pat Cahill, Bill Leonard, Mike McGee, Dave Honey, Rick Flowers.





Theta Xi actives. **FRONT ROW:** Dave Nancrede, Chester Choy-Hee, Pat Hauert, Mel Izumi. **SECOND ROW:** Steve Windler, Bill Holt, Bud Watson, Bill Goodwin, Tom Evans, Joe Bird, John Norris, Mike Redman, Scot Skjordahl. **BACK**

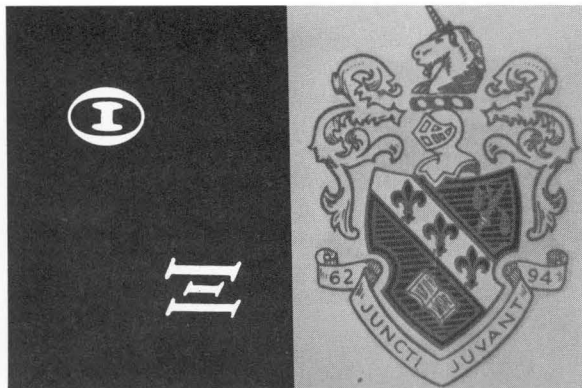
ROW: Bob Wattleworth, Jim McCoskey, Nik Bradley, Curt Yee, John Willman, Joe Tynan, Lee Klausman, Charles Spencer, Gene Lovelace, Al Cleek, Bob Coltharp, Dick Blakely, Tom Yoshida.

The past college year has been a good year for the men of Theta Xi Fraternity. The brothers have made many contributions to Rose, the citizenry of Terre Haute, and Theta Xi.

The brothers chose the following men to be our leaders for the second semester: President, Joe Byrd; Vice President, Bud Watson; Senior House Manager, Joe Tynan; Junior House Manager, Bill Goodwin; Treasurer, Tom Evans; Secretary, John Norris; and Scholastic Chairman, Mike Redman.

Varsity sports at Rose have been given wholehearted

support by the brothers of Theta Xi. In track, Joe Byrd, Curt Yee, Pete Grafe, Lee Klausman, Bob Wattleworth, and pledge Dick Blessing are putting forth their best efforts to give Rose a winning track season. The football team was given added strength by Pete Grafe. Joe Tynan gave Rose's basketball team excellent rebounding power, while also having the highest field goal percentage for this past season. John Norris was on the golf team and Dave Nancrede was the tennis team's leading player this past season.



James McCoskey
President

Joseph Byrd
Vice-President

Thomas Evans
Treasurer

Thomas Yoshida
Corr. Secretary

John Blanchard
Scholarship Chairman



The band plays on for this year's Bowery Ball.



Getting ready for that I.F. Softball Trophy.

Even with many of the brothers in varsity sports, Theta Xi scored high in Inter-Fraternity activities. The chapter tied for first place in football, came in third in basketball, and won the softball competition.

In other extra-curricular activities Brothers Mel Izumi and Tom Evans were pledged as members of Tau Beta Pi. The sophomore class elected Mike Redman to the class office of secretary.

Aside from college activities, Theta Xi has participated in the Muscular Dystrophy Drive, Cerebral Palsy Campaign, and delivering of Goodwill bags.

Other activities included mixers, date parties, and the annual Pledge Dance. This year it had a "Roaring Twenties" theme.

Now that the college year is over we can sit back remembering the deeds of the past year, knowing we will accomplish many more next year, and remembering our good times while laughing at the bad; but most of all, knowing we will always have that certain something, even after graduation, that can come only from being a Theta Xi.



Brother Blakely directs as Rosie and Homecoming get a good start.

Theta Xi pledges. Dick Blessing, Larry Sprouse, Barry Lucht, Dave Saad, Larry Oldham, Jim Kerber.

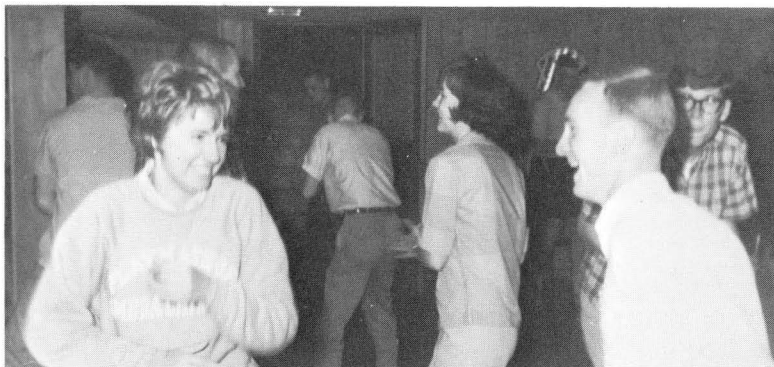




Lambda Chi Alpha actives. **FRONT ROW:** Bill Lewis, Bob Gordon, Bob Valle, Dan Goodwin, Bill Detering. **SECOND ROW:** John Kuhn, Bob Crask, Byron Buck, Don Miller, Norm Schuld, Phil Carter, Ron Haun. **THIRD ROW:** Tobey King, Ed Jirousek, Larry Michael, Denny Lind, Mont Williams, Larry Sachs, Tom Sprouse, Lowell Hardwick. **FOURTH ROW:** Rex Robinson, Jerry Copenhefer, Bob Blahut, Skip Szilagyi, Bob Leonard, Tom Wilhoite, Ron

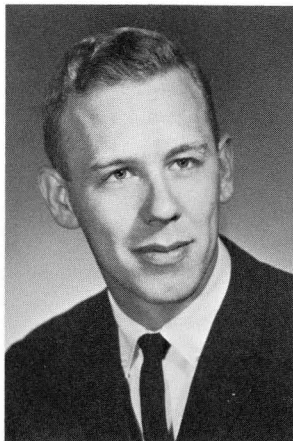
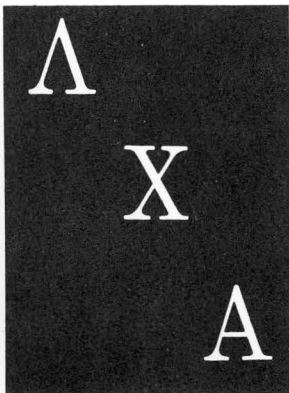
Turaski, Curt Pease. **FIFTH ROW:** Curt Jones, Mars Gralia, Allen Stanley, Bob Allen, Steve Watson, Steve James, Sandy Sutton, Jim Watkins, John Rohr, Denny Berry, Bruce Johns, Phil Halt. **BACK ROW:** Will Stratten, Bob Dice, Burce Kopf, Tom Holmes, Tom Terry, Bill Templin, Bill Kovacs, Jim Schultz, John Ulmer, Bill Bergstrand.

Party time!



The '63-'64 academic year proved to be one of success for the men of Theta Kappa of Lambda Chi Alpha. Under the watchful eye of scholarship chairmen Bob Gordon and Bob Leonard, Lambda Chi again won the I-F scholarship trophy for the twentieth time in twenty-one semesters. The Rose chapter ranked in the top ten of 155 chapters of the National Fraternity. Consistent work of this type gives credit to every Brother in the chapter as well as to the scholarship chairman.

Socially the Brothers were kept happy. Mixers in the fall semester provided entertainment and considerable enjoyment. Also Homecoming proved to be a success. Rose ROTC Battalion Commander, Jim Schulz, supervised the perennial battle for top honors in the



John Stockton
High Alpha

Dale Barkley
High Beta

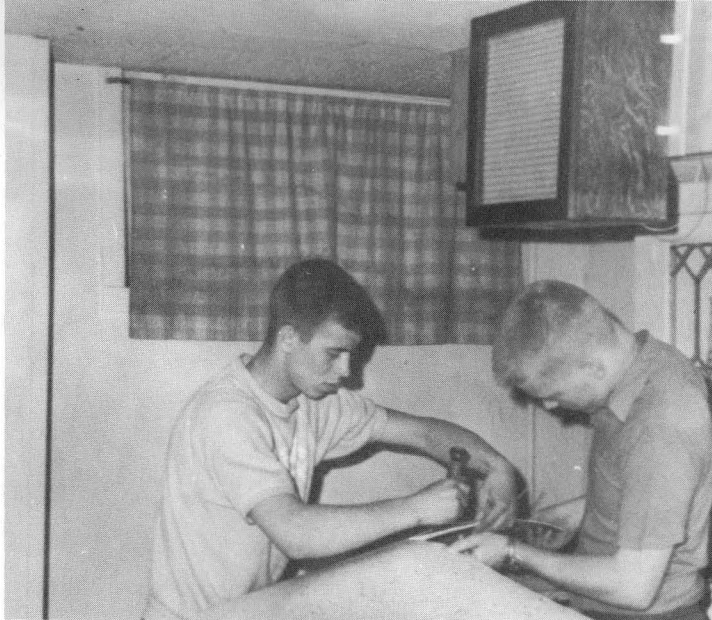
Ronald F. Turaski
High Gamma

James Watkins
High Tau

Homecoming display and, although the battle was lost, a moral victory was claimed as the Brothers worked hard to complete the display of which we were proud.

During the Spring Semester the social calendar reserved fifteen of the possible seventeen weekends for mixers, State Day, the White Rose Formal, the I-F Dance, Pledge Dance, date parties, etc. At State Day, the voices of Theta Kappa blended together to bring home the song trophy for the second consecutive year. The White Rose Formal, the only true formal dance at Rose, was a great success.

In the field of athletics, Lambda Chis were very active. In I-F competition, the chapter found itself in a three-way tie for first place in football and, after a playoff; in basketball, fell into second place in that sport. The varsity football team elected Brother Bill Lewis as Most Valuable Player. Brother Jim Phelps added his talents to fill the end position well as Brother Bob Blahut centered. Cross country runners Larry Sachs, Denny Lind, and Steve Watson helped the first-year team to a successful season. The basketball team had the aid of John Stockton and Pledge Tom Curry. Brothers Eddy Jirousek, John Diefenbaugh, Don Endsley, Tom Sprouse, Jim Phelps, and Neil Matsumoto along with pledge Paul Hannah can be found on the baseball team. Pledge Chuck Webb is student manager. Tennis players Tom Terry, Phil Halt, and Jim Schulz lend their talents to that sport and the track team finds Steve Watson, Bill Lewis, and Bruce Johns.



Pledges finish improving the "bar."



The earlier stages.

Lambda Chi Alpha pledges. **FRONT ROW:** Tom Curry, Chuck Webb, Paul Hannah, Roger Hybeck, Phil Fassnacht, Reb Ross. **BACK ROW:** Dick Osborn,

Rick Hammond, Dick Melton, Bob Placek, Chuck Risch, Bill Kane, Tom Hakes, Nick Virostko.



ATHLETICS





Athletics composes the last of the major divisions of this book, but it is certainly not the least. Although our ambitions during these four years may change from those of high school, the Rose man realizes that he must not only be mentally alert but also physically fit. Thus athletics, both varsity and intramural, play a vital role in the Rose scheme of life.



JAMES H. CARR

Intramural Director; B.S., Indiana State College; M.S., Indiana State College.

JOHN MUTCHNER

B.A., Earlham College; M.S., Indiana University.

Athletic Department

The Rose Athletic Department has taken on a new look this year. This is typified by the desire of the department to bring athletics up to the comparable standard of Rose scholarship. Accentuating this is the Administration's plans to make the Rose graduate a well rounded individual. The purpose of this rejuvenation is to elevate the prestige of our athletic image.

The desire to improve and expand the athletic program is shown in the establishment of a cross country team. In their first year they ended with a 4-2 record.

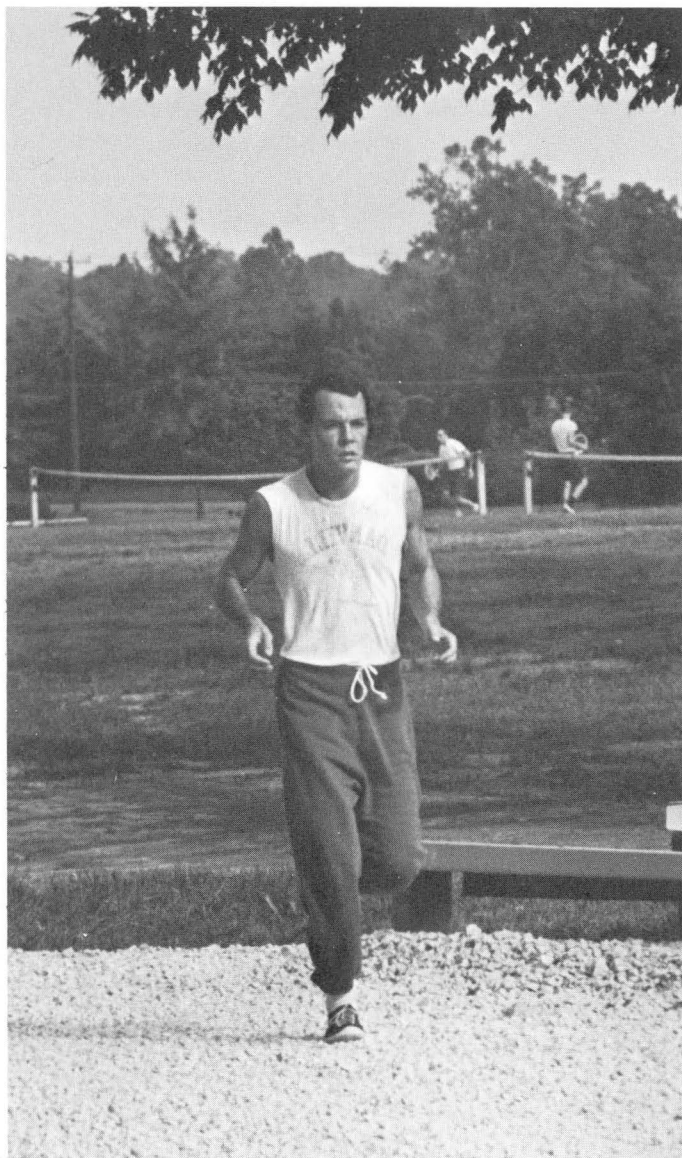
Rose's football team showed the enthusiasm being developed in our athletes. This enthusiasm is also

being transferred to the student body. Actually the team's record does not portray their improvement. The second half of the season they were beset with injuries and ineligibilities. They gave a very commendable showing during the first half with a record 2-2.

This new spirit has been carried over into basketball and is being emphasized by Coach Mutchner. The crowds the team has drawn show both the quality of the team and the crowd pleasing nature of the extra added attractions devised by Coach Mutchner. He has had entertaining half-time shows and provided a pep band to keep up spirit.

"Give 'em hell, you sons of Rose!"





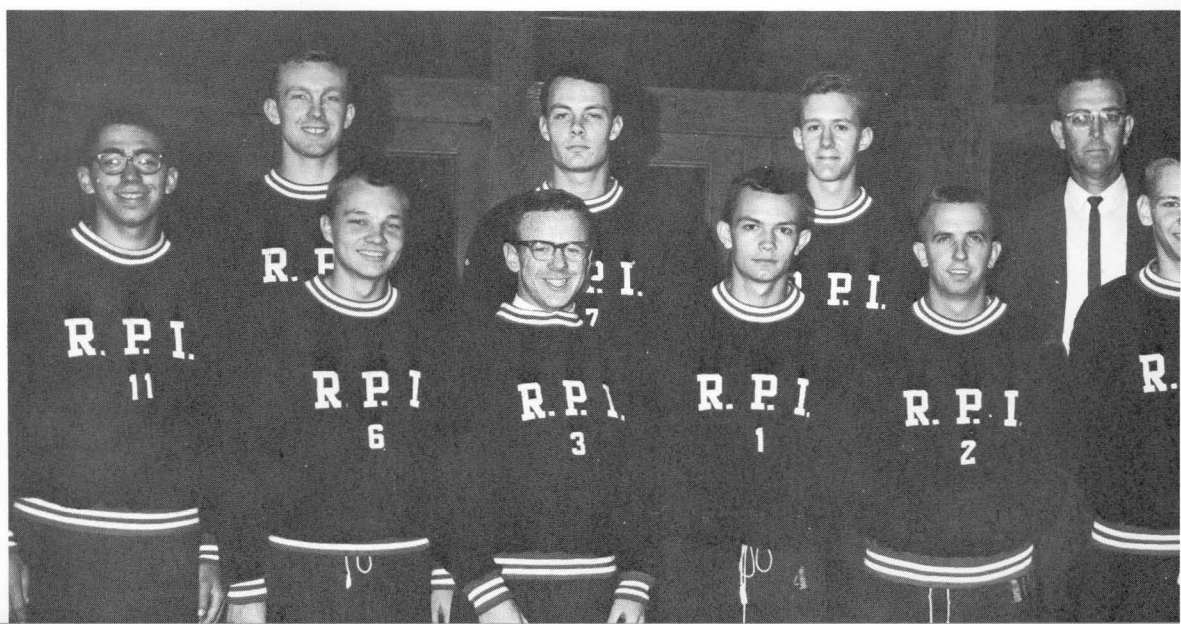
Cross Country

Cross Country was added this year to our athletic program. It turned out to be highly successful. The team lost only one dual meet—to Wabash, one of the midwestern small college powers. It might have been different, but two members weren't able to participate in this meet. The team highlighted the season with a victory over Hanover on the eve of Homecoming.

The team was led by spartacus John Lynn, who had the best times for the year and the Rose course. These times were 21 minutes 48 seconds and 22 minutes 57 seconds, respectively. Also he placed tenth in the Little State. He was followed by three other fine harriers, Larry Sachs, John Brandriss, and Bob Sandburg. The fifth position was traded back and forth by John Blanchard, David Honey, and Denny Lind.

The team and Coach Carr can not be praised enough for their hard work and determination. If they have the same determination for next year, the team should do even better since the team loses only one member, John Blanchard.

Cross Country team





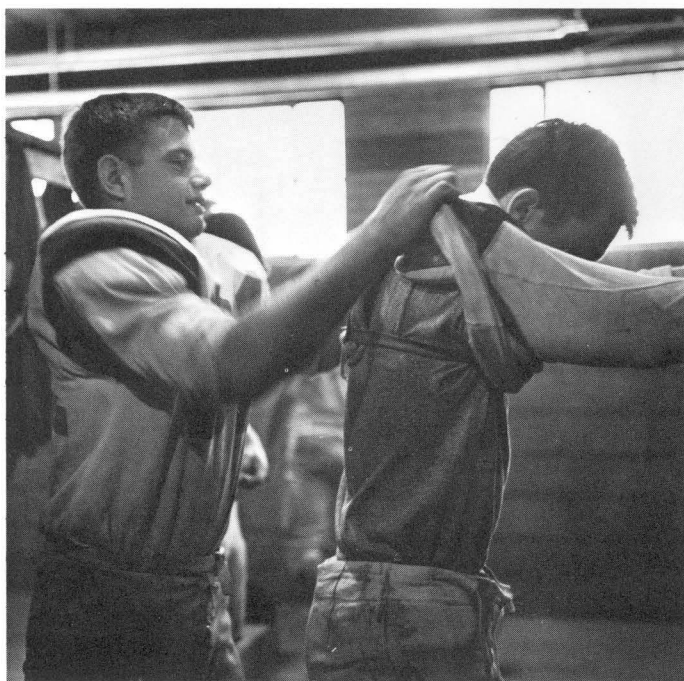
Larry Hall, Captain.

Under the guidance of head football coach, Carl T. Herockavich, a 1959 Rose graduate, the Fighting Engineers of Rose Poly turned in another fine football season. Coach Herockavich, in his second year, was ably assisted by Coach John Mutchner and John Kabler. The 1963 season opened with a road trip to Wilmington College in Ohio; the Engineers fought hard but lost the opener, 26-0. The following Saturday found Rose Poly at Illinois College, where the team played a brilliant defensive game only to lose in the final six minutes of the ball game, 13-7. Eureka was the next opponent for the Engineers and the Rose men soundly defeated them by a score of 25-7. With high spirits the team tackled their next foe, Concordia Teacher's College, and in the course of the afternoon earned an encouraging and hard-won 7-6 victory. Homecoming, the first home game of the season, was a disappointment to the coaches, players, and fans alike. Heavy rains during the first half bogged down the Engineer's passing attack and as a result Rose was bested in the scoring column 47-12. To add to the Engineer's woes at this time several players were lost through illness and injuries and the team finished out the season losing to Earlham, 54-0; Principia, 41-7; and Franklin, 41-14. Although the overall season record was 2-6, the team showed much improvement in all departments over the previous season's record. Special mention should be given to seniors Jim Abel, Paul Goss, Steve Hoffman, Bill Kovacs, John Stewart, Pete Grafe, and Larry Hall; their services will be greatly missed on next year's squad. Pete Grafe and Larry Hall were selected by their teammates as co-captains and did an excellent job in leading the team through the season. Several sophomores, juniors, and freshmen saw extensive action throughout the year and the coaches, players, and students are looking forward with enthusiasm and optimism to the 1964 football season.

We want a touchdown.



"A little more!"



Almost!



Football

The football team





Captains Downey and Brown.

Basketball

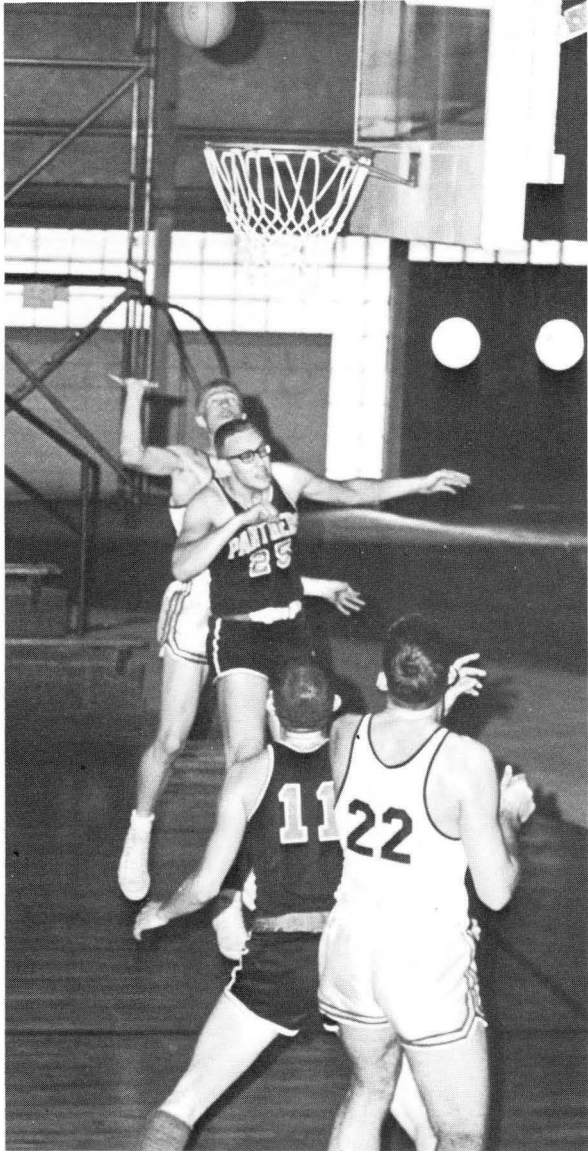
Woody pulls out another one.



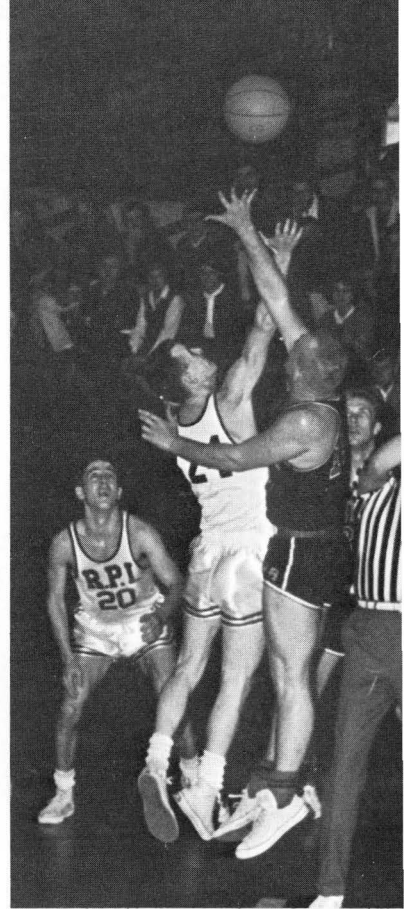
The Rose Basketball team opened the season by dropping a game on the road to Eureka. It seemed that Rose could not get going and ended on the short end of the score. Even in defeat, Rose showed signs of improvement with seniors Ed Downey, Jim Brown, and freshman Tom Curry doing a fine job.

On December 4, Rose played its first home game that was witnessed by the largest home crowd in many years. It was the first time that the Rose field house had been filled for years. The added attraction of the Indiana State Sparkettes at halftime did help attendance matters. Even with all this Rose played the best basketball of any Rose team in the past few years. The Rose opponent, Franklin, found the Engineers tough to handle from the beginning to the end. It was a tight game all the way with Franklin usually leading by two or three points. At half-time, Rose was down by about seven points but led by senior Ed Downey, Rose finally tied Franklin with less than one minute to play. With just seconds to play, Franklin scored to take a two point lead. This gave Rose the ball but three or four Desperate shots failed and the game was over and Franklin had won.

Rose played its first Conference game on December 7 with and at Illinois College. The game was close to the very end but the Engineers finally won the first game of the season by a score of 70-65. Rose continued in its fine traditional style throughout the rest of the season.

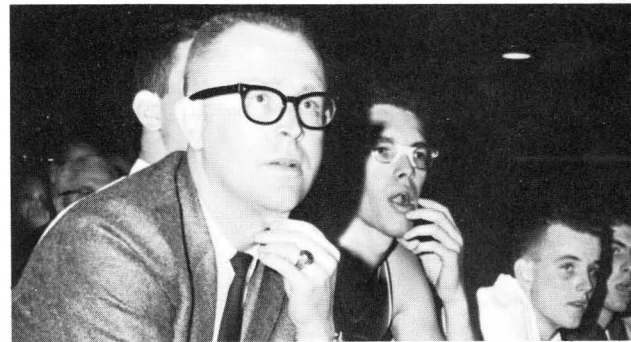


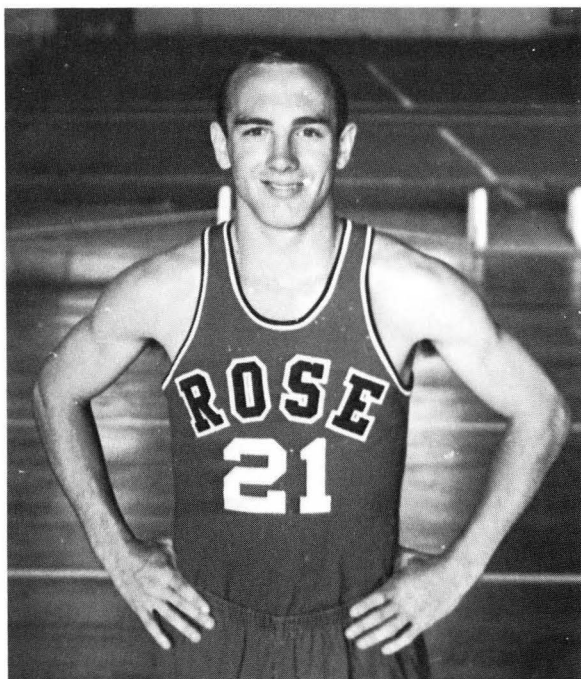
Curry sinks another one!



Oof!

Anxiety on the bench.





Captain Duane Wood.

Track

Just a little more!



Coach Carl Herakovich has predicted a great season for the Rose track team. With help from Duncan Murdoch coaching hurdles and Larry Logue coaching field events, Rocky is expecting many records to fall.

The team's strength lies in its depth, especially in running events. Returning lettermen include seniors Bob Bonson, Dave LaRue and Duane Wood; juniors Bob Clark and Steve Watson; sophomores Dallas Hutsler, Lee Klausmen, John Lynn and Bob Sandberg. Also added to the team were senior Bill Kovacs, sophomores Jerry Black, Jeff Keeler, Bill Lewis, and Dave Woodward; along with freshmen Mike Brandress, Len Duszynski, Larry Duvall, Rock Flowers, Dave Honey, Ken Kerchner, Tom Newmark and Larry Sprouse.

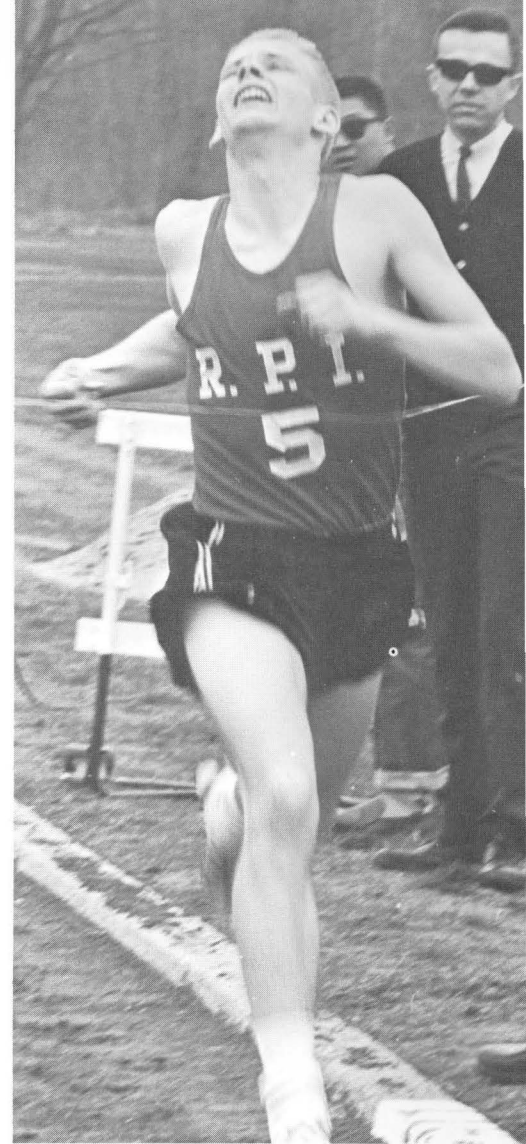
To utilize this potential Coach Herakovich has scheduled strong competition this season, such as Indiana State College and Wabash, which will fully prepare the team for the P.C.C. meet. It was good to see that such a large portion of the Rose student body took advantage of the many home meets, especially the P.C.C. meet, thus giving needed support to the track team this year.

So, this is what a track meet's like.





John starts ...



... and finishes.

The Track team.



Baseball

Captain Dennis Lawson.



The 1964 Baseball team.



On April 8, Rose Poly's baseballers opened their season at Franklin by playing the Grizzlies to a 7-7 tie in ten innings. This ball game proved two good points to the diamondmen. (1) They can have big score innings and (2) they can come from behind when the pressure is on.

On April 17, Rose was defeated by Indiana Central with a score of 9-6 in the Engineer's fourth home game of the season. On April 11 Rose lost to Wabash by 7-4. Wabash broke the ice in the first home game of the season by scoring one run on two hits in the second inning and one run on one hit in the third inning. Although Rose did score in the third and the seventh innings, the Engineers were not able to mount the scoring threat and the game ended in a victory for Wabash.

On April 25, the Rose team split a double-header with Principia at the latter's field. Rose lost the first game by 3-2 but came back to win the second game by the same identical score. All in all, while the Engineers did not have a fully winning season, it could be said that the fine spirit shown by the team indicated a profitable year.

A wild pitch.





The Tennis team.

The Rose Poly tennis team will open its 1964 season against the Sycamores of Indiana State. This is the second year for varsity tennis at Rose and the first year that the team has had a full nine game schedule. The Prairie College Conference meet will be held at Principia College. This year's schedule is as follows:

April 8	Indiana State	There
April 14	Marion	Here
April 20	Wabash	There
April 25	Principia	There
April 28	Marion	There
May 1	Wabash	Here
May 2	Illinois	There
May 5	Greenville	Here
May 9	P. C. C.	Principia
May 16	Blackburn	Here

The team is composed of senior members Tom Terry and Jim Schultz, Juniors Dave Nancrede, Phil Halt, and Gus Carrol, sophomores Jim Hunt and Jay Sinex, and freshman Pat Cahill. Returning lettermen are Dave Nancrede, Tom Terry, and Jay Sinex; around this nucleus tennis coach, Jim Carr, hopes to build a winning team.

Tennis



Golf

The golf team accomplished much for its second year in existence. The team won three matches, which is a remarkable achievement. The mainstays were Will Holland and Dwight Garbe who traded the medalist position back and forth. Mike Lancet was close behind them. Byron Buck and John Norris anchored the team. Coach Carr did his usual fine job. Next year looks rosy for the team, which will suffer no graduation losses.

The Golf team.

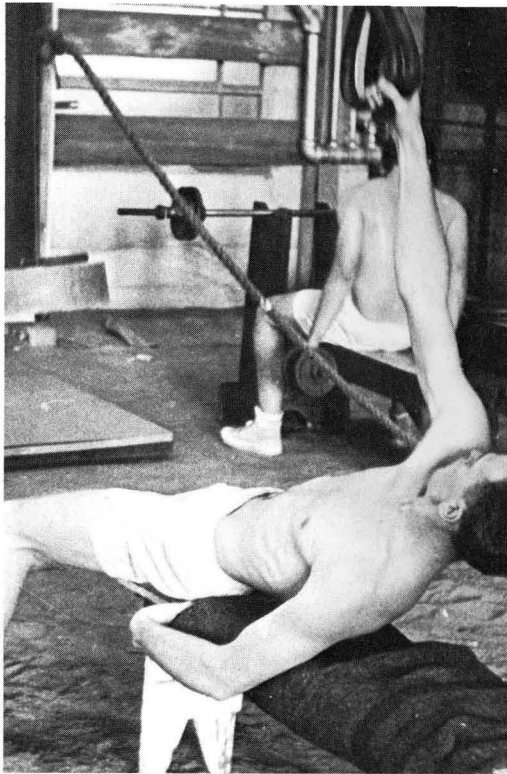
RECORD		
ROSE		OPP.
1	INDIANA STATE	14
4	ST. JOSEPH	11
7	INDIANA CENTRAL	8
10.5	GREENVILLE	4.5
1	ST. JOSEPH	14
.5	WABASH	14.5
13	WHEATON	2
0	WABASH	15
13	FRANKLIN	2

The team finished third in the P.C.C. and tenth in the LITTLE STATE.



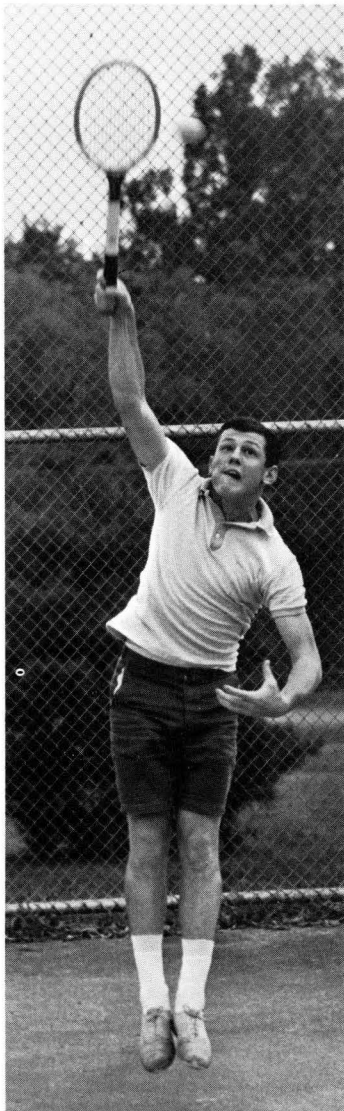
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